



**TENDER FOR REPLACEMENT OF EXISTING 1600KVA TRANSFORMER
AND MAIN ELECTRICAL PANEL AND ALLIED WORKS UNDER BUYBACK
AT DIT, POWAI, MUMBAI – 400072**

TENDER REFERENCE NO: PROC: CO: NIT: 4544:2026, DATED: 14.10.2026

SITE LOCATION:

**Union Bank of India, 1A, Adi-Shankaracharya Marg, DIT Powai (In front of Powai lake),
Mumbai - 400072**

Union Bank of India, Procurement Department

1st floor, 239, Union Bank Bhawan, Vidhan Bhawan Marg,

Nariman Point, Mumbai - 400021

Contact:022-45653726, Email: Procurement@unionbankofindia.bank.in

अस्वीकरण DISCLAIMER

The information contained in this tender is provided to the Bidder(s) on the terms and conditions set out in this tender document. The tender document contains statements derived from information that is believed to be true and reliable at the date obtained but does not purport to provide all of the information that may be necessary or desirable to enable an intending contracting party to determine whether or not to enter into a contract or arrangement with Bank in relation to the provision of services.

The tender document is not a recommendation, offer or invitation to enter into a contract, agreement or any other arrangement, in respect of the services. The provision of the services is subject to observance of selection process and appropriate documentation being agreed between the Bank and any successful bidders as identified by the Bank, after completion of the selection process as detailed in this document. No contractual obligation whatsoever shall arise from the tender process unless and until a formal contract is signed and executed by duly authorized officers of Union Bank of India with the Bidder. The purpose of this tender is to provide the Bidder(s) with information to assist the formulation of their proposals. This tender does not claim to contain all the information each Bidder may require. Each Bidder should conduct their own investigations and analysis and should check the accuracy, reliability and completeness of the information in this tender and where necessary obtain independent advice. Union Bank of India makes no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this tender. Union Bank of India may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this tender.

दाताओं के लिए सामान्य निर्देश (GENERAL INSTRUCTIONS TO BIDDERS)

The tender document can be downloaded from Government e-Marketplace (GeM) portal <https://www.gem.gov.in> and notification for the tender can be downloaded from Bank's Website <http://www.unionbankofindia.bank.in>.

The Bids should be submitted by the Bidders online through Government e-Marketplace (GeM) portal <https://www.gem.gov.in>.

Any bids dropped in tender box or submitted in physical hard copy format or received through fax/e-mail/physical mail or any means other than the GeM portal ***will not be received or opened and shall be summarily rejected.***

NOTE:

Submission of bids document through offline mode shall not be accepted. Bids must be submitted online through the GeM Portal on or before the stipulated Bid End Date and Time. The Bidder shall upload scanned copy/proofs of the duly signed Integrity Pact (IP) (executed on non-judicial stamp paper of ₹ 500) and Earnest Money (EMD) in the form of Demand Draft (DD) or Bank Guarantee (BG) along with the online bid. Further, the bidder shall ensure delivery of the hard copies of the Integrity Pact (IP) and EMD documents to the Buyer within five (5) days from the Bid End Date/Bid Opening Date.

Failure to comply with the above requirements may render the bid liable for rejection.

संक्षिप्ताक्षर Abbreviations

The long form of some abbreviations commonly used in the document is given below:

संक्षिप्ताक्षर Abbreviations	विवरण Description
SITC	Supply, Installation, Testing & Commissioning
Bank/UBI/Union Bank	Union Bank of India
BG	Bank Guarantee
KYE	Know Your Employee
NDA	Non-Disclosure Agreement
NPCI	National Payments Corporation of India
PBG	Performance Bank Guarantee
PSB	Public Sector Bank
PSU	Public Sector Undertaking
RBI	Reserve Bank of India
RFP	Request for Proposal
SLA	Service Level Agreement

बोली का विवरण Bid Details:

S N	Particulars	Remarks
1.	आरएफपी/दस्तावेज डाउनलोड जारी करने की प्रारंभ तिथि और समय Start Date & Time of issue of Tender/ Document Download	As per GeM Bid Document
2.	बोली-पूर्व बैठक / Pre-bid meeting	As per GeM Bid Document-Those who wish to join Pre-bid meeting can join physically at Union Bank of India, 1 st floor, Procurement vertical, Central Office, Nariman Point, Mumbai as per schedule mentioned in the GeM Bid document.
3.	प्रश्न प्रस्तुत करने की अंतिम तिथि और समय Last date and time for submission of query	24/10/2026 at 5pm (All communication regarding points/queries requiring clarifications shall be sought by e-mail to procurement@unionbankofindia.bank.in Subject Heading: TENDER FOR REPLACEMENT OF EXISTING 1600KVA TRANSFORMER AND MAIN ELECTRICAL PANEL AND ALLIED WORKS UNDER BUYBACK AT DIT, POWAI, MUMBAI
4.	बोली दस्तावेज जमा करने की अंतिम तिथि और समय Last date and time for submission of Bidding Document	As per GeM Bid Document

5.	तकनीकी बोली खोलने की तिथि और समय Date and Time of Technical Bid Opening	As per GeM Bid Document
6.	मूल्य बोलियां Price Bids	Price Bids will be opened only for technically qualified bidders.
7.	ऑनलाइन माध्यम से आरएफपी खोलने का स्थान Place for Opening of Tender through Online	Union Bank of India, Procurement Department, 1st floor, 239, Union Bank Bhawan, Vidhan Bhawan Marg, Nariman Point, Mumbai - 400021
8.	Estimated Cost of Work	2.76 Crore excluding GST
8.	प्रतिभूति जमा/ बयाना जमा धन राशि Security Deposit/Earnest Money Deposit (EMD)	Rs.8,00,000/- (Rupees Eight lakh only) in the form of DD favoring Union Bank of India, payable at Mumbai or Bank Guarantee (BG) of any scheduled commercial Bank other than Union Bank of India. EMD should be valid for 6 months from the last date of bid submission with a claim period of 45 days. Bidder has to upload scanned copy / proof of the DD/BG along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.
9.	बैंक गारंटी कार्य निष्पादन Performance Security	The successful bidder shall furnish Performance Security equal to 5% of the TCO of complete works in the form of Deposit/Fixed Deposit Receipt in Union Bank of India or provide a Performance Bank Guarantee for 5% of TCO valid till completion of work within 15 days from the date of receipt of purchase order or signing of the contract, whichever is earlier, in the format as provided in Annexure I with a claim period of 60 days. The PBG should be of that of scheduled Commercial Bank, other than Union Bank of India.
10.	एमएसई या स्टार्ट-अप कंपनी के रूप में एनएसआईसी/उद्योग आधार के साथ पंजीकृत बोलीदाताओं के लिए ईएमडी छूट EMD Waiver for Bidders Registered with NSIC/Udyog Aadhaar as MSE or a Start-up Company	In case of bidders registered in relevant category with NSIC/Udyog Aadhaar as MSE or a Start-up Company, they are eligible for waiver of EMD. However, MSE bidders need to provide valid NSIC/MSE Certificate clearly mentioning that they are registered with NSIC under single point registration scheme or Udyog Aadhaar. Start-up bidders are required to submit Certificate of Recognition issued by Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce & Industry, Government of India. In addition, MSE bidders have to submit Annexure XIV in physical form (Hard copy) duly signed by Chartered Accountant within 5 days of Bid End date / Bid Opening date.
11.	आरएफपी समन्वयक Tender Coordinator	Mr. Deepak Kumar, Sr. Manager, Procurement Department.
12.	संचार पता Address for Communication	Union Bank of India, Procurement Department, 1st floor, 239, Union Bank Bhawan, Vidhan

		Bhawan Marg, Nariman Point, Mumbai - 400021
13.	Period of Completion	180 days including manufacturing & delivery of equipment's i.e. HT switchgears, Transformer, electrical panel etc. and on-site preparation activities like transformer foundation, earthing pits, laying of cables etc. and thereafter installation, testing & commissioning after acceptance of work order.
14.	बोली की वैद्यता Validity of Bids	180 days from the last date & time for submission of bid prescribed by the Bank
15.	संपर्क विवरण Contact details	Interested Bidders are requested to send the query on email to: procurement@unionbankofindia.bank.in , Telephone No-022-45653726 containing below mentioned information, so that in case of any clarification same may be issued: Name of company, contact person, Mailing address with Pin Code, Telephone No., Mobile No., email address etc.

NOTE:

The dates mentioned above are tentative and the Bidder acknowledges that he/she cannot hold the Bank responsible for any revision in these dates.

GENERAL INSTRUCTIONS TO BIDDERS

Union Bank of India invites sealed tender in two bid system (prequalification cum technical bids and price bid separately) from eligible established Electrical Contractors having sound background of supply, installation, testing, commissioning of HT/LT Electrical System. The location of Site is Union Bank of India, 1A, Adi-Shankaracharya Marg, -, DIT Powai (In front of Powai lake), Mumbai – 400 072 as per following details:

- 1) The item rates under the contract must include for full, final & entire completion of all works in all respects described in contract & forming part of the contract. The Commercial/Price Bid - Part II(TCO) should be submitted online at the GeM portal by way of entering the values in the format provided at the site. This must contain all prices in Indian rupees (INR).
- 2) The bidders are required to quote a comprehensive price for each line item of the price bid that includes all associated costs required for successful completion of that item. The price should be distributed reasonably and proportionately across all line items of the offer. The quoted rates should reflect the actual cost and value of each line item. The price bid/ commercial bid should be based on composite and balanced costing basis. Unbalance loading like quoting Rs.1, Rs.2 or Rs.10.00 is not acceptable. The price breakup against each line item must be materially balanced and commensurate with the actual cost / value of the line item. Unusually low bid or materially unbalanced bid will not be accepted and will be rejected outrightly. In such event, the Bank reserves the right to consider the price bid of the next eligible bidder (L-2/L-3, etc.) for evaluation and finalization and awarding of work.

- 3) Bidders are advised not to make any alteration/modification in the Tender documents, Item of work or in any respect whatsoever. Violation of this requirement will make the Tender liable for rejection. Tender document is not transferable.
- 4) Every page of the Tender document, including all corrigenda, shall be duly signed and stamped by the authorized signatory of the bidder and uploaded on the GeM portal, in token of having carefully read, understood, and accepted the General and Special Conditions of Contract, specifications, and other tender requirements.
- 5) Any bid submitted without such signed documents shall be liable for rejection.
- 6) No representative of the bidder shall be permitted to participate in the tender process unless proper authorization, to the full satisfaction of the Bank, is submitted authorizing such person to act on behalf of the bidder.
- 7) Every page of the Tender document and corrigendum should be signed by authorized person and uploaded on the GEM portal. Tender in token of his/their having acquainted himself/themselves with the General and Special Conditions of Contract, Specifications etc., as laid down. Any Tender with any of the documents not so signed will be subjected to rejection. No representative on behalf of bidder will be allowed to participate unless documents to the full satisfaction of bank are produced authorizing such person to participate in the Tender.
- 8) No consideration will be given to a Tender submission after the time stipulated above and no extension will be allowed for submission of such Tender.
- 9) The Union Bank of India shall not be bound to accept the lowest Tender and reserves the right to accept or reject any or all the Tender without assigning any reason whatsoever. Bank may notify the changes in Tender document on Bank's website and GeM portal through corrigendum.
- 10) This notice inviting Tender, the conditions of Tender and the duly completed form of Tender, annexure etc. will form part of the Agreement to be executed by the successful Tender with the bank.
- 11) Submission of bids document through offline mode shall not be accepted. Bids must be submitted online through the GeM Portal on or before the stipulated Bid End Date and Time. The Bidder shall upload scanned copy/proofs of the duly signed Integrity Pact (IP) (executed on non-judicial stamp paper of ₹ 500) and Earnest Money (EMD) in the form of Demand Draft (DD) or Bank Guarantee (BG) along with the online bid. Further, the bidder shall ensure delivery of the hard copies of the Integrity Pact (IP) and EMD documents to the Buyer within five (5) days from the Bid End Date/Bid Opening Date. Failure to comply Integrity Pact and EMD with the above requirements may render the bid liable for rejection.
- 12) Mandatory Site Inspection: All bidders intending to participate in this RFP shall carry out a detailed site inspection under the scope of work before submitting their bid and price quotation. Submission of a bid shall be deemed as confirmation that the bidder has inspected the site, assessed the condition of the site, and fully understood the scope of work. No request for revision of rates, additional claims, or withdrawal from the contract on account of lack of site inspection or inadequate understanding of the work shall be entertained after submission of the bid. In the event that the successful bidder refuses to undertake the work after award of the contract on such grounds, the Bank reserves the

right to take appropriate action, including debarment of the bidder from participating in future tender/RFP processes of the Bank, as per the applicable procurement guidelines and tender conditions.

- 13) If the L-1 bidder refuses to accept the Work Order/Lol, withdraws its bid, fails to execute the contract, or submits vague, unworkable, or unjustified line-item pricing, the Bank reserves the right to reject the bid and award the work to the next eligible bidder (L-2/L-3, etc.).

For UNION BANK OF INDIA

ASST. GENERAL MANAGER

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Union Bank of India

1. Introduction

Union Bank of India, a body corporate constituted and functioning under Banking Companies (Acquisition & Transfer of Undertaking) Act 1970, a Public Sector Bank has its Central Office at 239, Vidhan Bhavan Marg, Union Bank Bhavan, Nariman Point, Mumbai – 400021, having Support Services Department on 7th Floor. The Bank has a network of over 8694 Branches spread across the country, with its total Business of over Rs. 23.85 Lac crore as of 30th March, 2026. Bank also provides services to its customers through alternate channels such as Internet Banking, Debit Cards, and Mobile Banking, etc.

2. Objectives of the TENDER

- 2.1 Union Bank of India invites sealed tender in two bid system (prequalification cum technical bids and price bid separately) from eligible established Electrical Contractors from Mumbai Centre having sound background and capable of supply, installation, testing, commissioning of HT/LT Electrical System at Union Bank of India, -, 1A, Adi Shankaracharya Marg, DIT Powai, Mumbai – 400 072.
- 2.2 Bank, for this purpose, invites proposal from Bidders. The Tender document is now being issued to enable vendors to submit their responses to the Bank.
- 2.3 Bidders who are interested in participating in this Tender must fulfill the mandatory eligibility criteria mentioned in the annexure/document and must be in a position to comply with the scope of work detailed in the Tender document.
- 2.4 Apart from the above, the bidder must also agree to all the terms & conditions mentioned under this Tender.
- 2.5 Bank may not accept any deviations from the terms and conditions specified in the Tender. Deviations could result in disqualification of the offer made by the vendor at the discretion of the Bank.

3. Definitions

- 3.1 'Bank / the Bank' means unless excluded by and repugnant to the context or the meaning thereof, 'Union Bank of India', which has invited bids under this Tender and shall be deemed to include its successors and permitted assigns.
- 3.2 'Parent Company' means, any company which is the ultimate Holding Company of the bidder and which is either responsible directly or indirectly for the business activities of the bidder or which is engaged in the same or similar business to the bidder.
- 3.3 'Tender' means this document prepared by Union Bank of India to avail services from eligible established Electrical Contractors from Mumbai Centre having sound background of supply, installation, testing, commissioning of HT/LT Electrical System at Union Bank of India, -1A, Adi Shankaracharya Marg, DIT Powai, Mumbai – 400 072
- 3.4 'Bidder' means a vendor submitting the proposal in response to this Tender document.

- 3.5 'Contract or Agreement' means the agreement signed by successful bidder and the Bank at the conclusion of bidding process, wherever required as per Annexure-M.
- 3.6 'Proposal' means that Technical & Financial proposal including any documents submitted by the bidder as per the formats prescribed in the Tender document.

4. Invitation to Tender Bids

This Tender document is an invitation for bidder's responses. No contractual obligation on behalf of the Bank whatsoever shall arise from the Tender process unless and until a formal contract (Agreement) is signed & executed by duly authorized officers of the Bank and the successful bidder. However, until a formal contract is executed, Bank's written acceptance & notification of award of contract shall constitute a binding contract with the successful bidder.

Bidders are expected to examine all instructions, forms, terms, specifications, and other information in the Tender document. Failure to furnish any information required by the Tender document or bid not substantially responsive to the Tender document in every respect will be at the Bidder's risk and shall result in the rejection of its bid. The procedure and terms & conditions for submission of bid are enumerated in this Tender document.

All offers of the bidders shall be unconditional and once accepted whether with or without modifications by the Bank shall be binding between the Bank and such Bidder.

5. Eligibility Criteria

Only those Bidders fulfilling the following criteria should respond to the tender. Eligibility criteria for the Bidder to qualify this stage is clearly mentioned in **Annexure- C** . Eligibility Criteria is Compliance to this document. The bidder would need to submit all supporting documents as part of the eligibility proof along with the technical bids. The technical bids of only those bidders who qualify in the eligibility criteria will be evaluated. Offers received from the bidders who do not fulfill the eligibility criteria are liable to be rejected.

6.1 Objective

Replacement of Existing 1600 KVA Transformer along with Main Electrical Panel and Associated Allied Works on Buyback Basis at DIT, Powai, Mumbai – 400072, as per the specifications, technical requirements, and scope of work outlined in the RFP document.

6.2 TECHNICAL SPECIFICATIONS FOR ELECTRICAL WORKS

Technical specification for Electrical works

The following Technical Specifications are made applicable for the stated work and shall be adhered to while supplying and installing the materials at site.

Codes and Standards:

The following Codes and Standards shall be applicable for continuous performance of all electrical equipment's to be supplied, delivered at site, erected, tested and commissioned. The Electrical equipment's offered shall comply with the relevant Indian Standard Specifications, Fire Insurance Regulations, Tariff Advisory Committee's Regulations, and in particular to Indian Electricity Rules in all respects with all its latest amendments up to date.

For guidelines to the Bidders, few of the Indian Standards are indicated below:

- IS 8084 / 1976: Interconnecting busbars for A.C voltage above 1KV up to & including 36KV.
- IS 13032 / 1991: A.C miniature circuit breaker board for voltage not exceeding 1000V Specification.
- IS 3043 / 1987: Code of practice for earthing.
- IS 3427 / 1997: A.C metal enclosed switchgear & control gears for rated voltage above 1KV upto & including 52KV.
- IS 3837 / 1976: Accessories for rigid steel conduits for electrical wiring.
- IS 13947 / Part3 / 1993: Specification for low voltage switchgear & control gear.
- IS 15787 / 2008: Switch socket outlets (non-interlocked type).
- IS 5216 / Part1, 2 /1982 : Guide for safety procedures & practices in electric work.
- IS 5578 / 1984: Guide for marking of insulated conductors.
- IS 5820 / 1970: Specification for precast concrete cable covers.
- IS 6381 / 1972: Specifications for construction & testing of electrical apparatus with type of protection 'E'.
- IS 10322/ Part1, 2/1982 : Specification of luminaries.
- IS 10322 /Part3, 4/1984 : Specification of luminaries.
- IS 10322/Part5 (Sec1, 2)/1985: Specification of luminaries.
- IS 10322/Part5 (Sec3 to 5)/1987: Specification of luminaries
- IS 13947 / Part1 / 1993: Specification for low-voltage switchgear & control gear.
- IS 13703 / Part4 / 1993: Specification for low voltage fuse for voltages not exceeding 1000V AC or 1500V DC.
- IS 2551 / 1982: Danger notice plates.
- IS 2268 / 1994: Call bells / Buzzers.
- IS 732 / 1989: Code of practice for electrical wiring installation.
- IS 3854 / 1997: Switches for domestic & similar purpose.
- IS 2312 / 1967: Exhaust fans.
- IS 2309 / 1989: Code of practice for lightning protection.
- IS 2418 / Part1 to 3/1977: Tubular fluorescent lamps for general lighting service.
- IS 9537 / Part1 to 3: Conduits for electrical installations.
- IS 14768 / 2003 : Fittings for rigid steel conduits for electrical wiring.
- IS 2675 / 1983: Enclosed distribution fuse boards cut-outs for voltage up to 1000V.
- IS 2705 / Part1 to 4/1992: Current transformers.
- IS 15086 / Part1 / 2001: Surge arresters.
- IS 13925 / Part1 / 1998 : Shunt capacitors for AC power systems having a rated voltage above 1000V.
- IS 13118 / 1991 : Specification for HV- AC circuit breakers.
- IS 374 / 1979: Ceiling fans.

IS 418 / 1978: Tungsten filament general service electrical lamp.
IS 694 / 1990: PVC insulated cable & cords for power / lighting.
IS 13010 / 2002 : A.C watt-hour meters.
IS 10870 / 1984 : Code of safety for hexane.
IS 1248 / Part1 / 1993: Direct acting indicating instruments & their accessories.
IS 1248 / Part2, 6 /1983 : Direct acting indicating instruments & their accessories.
IS 1248 / Part7, 8/1984: Direct acting indicating instruments & their accessories.
IS 1248 / Part9/1983: Direct acting indicating instruments & their accessories.
IS 1293 / 1988: pin plugs & socket outlets.
IS 1554/Part1 to 3/1988: PVC insulated cables – heavy duty.
IS 13947/Part 1 to 5/1993: Low voltage switchgear & control gear.
IS 1651 / 1991: Lead acid cell batteries.
IS 9537 / Part 5 / 2000: Conduits for electrical installation.
IS 61439 –: Internal Arc Test

Any other IS Codes as applicable at the time of execution over and above whatever stated above. Some of the Rules framed under Indian Electricity Rules of 1956 and all amendments thereof more particularly complied to: -

35, 43, 44, 44-A, 45 (Part-I), 50, 51, 59, 61 (a), 61 (c), 62, 63 (2), 65, 66, 67, 68, 69 and 92 (2).

SPECIFICATION FOR H.T./L.T. SUB-STATION EQUIPMENTS

1.0 Scope: -

This Specification covers the design, manufacture, testing and supplying of all substation equipment's required to be installed to complete the sub-station in all respect and to complete the installation in working condition.

2.0 Applicable Standards: -

All relevant Indian Standards shall be made applicable with latest amendments. Also, any other specific application is required, then the same shall be complied to.

3.0 440 Volts grade Warning Boards: -

440 Volts Red Warning Boards of made up of Aluminum sheet and having size of 150 mm x 150 mm x 3 mm thick painted with self-illuminated fluorescent "RED" Color paint shall be fixed at prominent places. These shall have minimum 2 languages inscribed on it, mainly Local Language and English. The Warning Boards shall also have the usual Electrical Shock inscriptions as well as the small mark of Danger on it. These shall be fixed outside of all the electrical rooms and as per directions of Engineer in charge.

4.0 Rubber Matting: -

In the front operational part of Medium Voltage Panels, a Rubber Matting shall be placed. The Rubber Matting shall be of approved quality and specifications laid down in BOQ. The length of the rubber matting shall be such as to cover the entire working area in front of all the equipment placed in the Main HT/LT Room. These shall further comply to relevant standards under Indian Electricity Rules and Codes of Standards. The mats shall be designed to withstand 11000 Volts for 1 minute and leakage of current shall not exceed 160 mA/square meter.

5.0 Fire Buckets, Extinguishers and Charts: -

Fire buckets, Fire extinguishers and charts shall be supplied as per Commercial Offer. The fire buckets shall be made up of galvanized Iron Sheets of approved thickness and painted Red with letters of 'FIRE' written on it. 5 such buckets shall form one set, and they shall be hung by means of hook arrangement from a stand prepared out of Round steel bars with supporting frame. This framework shall also be painted 'RED'.

The fire buckets shall be filled with clean, dry and peddle free sand ready for immediate use for extinguishing fires.

There shall be two such sets kept ready, one in the switchyard under a proper weather protection shed and the other inside the HV/LV Room. The number of Fire extinguishers shall be as per the fire guidelines. These shall be CO2 type and shall be tested at least once in six months on the site, after erection. This shall be as per relevant Indian Standards of minimum 6.8 Kgs. Instructions charts of restoration of persons suffering from Electric shocks in English, Hindi and Marathi shall be displayed in an enclosed wooden/glass framework, one in the LV Room and the other in the H.V. Room.

6.0 The Successful Bidder has to also ensure the following things during the execution of the job or before starting of any work/job.

- (a) The Rate quoted by the Successful Bidder shall include all the associated civil work like cutting, chasing walls, making holes in wall/ceiling for cables and conduits, cable trays, grouting of panels, DB's etc. and making good of the same.
- (b) The Successful Bidder should employ full time Diploma/Degree holder site Engineer having minimum Seven Years' experience in the field.
- (c) The Successful Bidder should produce copies of the Supervisors & Workmen licenses prior to start of any work at site.
- d) When there are differences between Specifications and Schedule of quantities, the superior of the two will be applicable. No additional payment will be entertained. Also, Bank decision in this matter will be final and binding on both the parties.
- e) All changes made by the Bank even after approval of shop or working drawings are to be incorporated in the said drawings without any extra cost. The owner will not entertain any claim on this account. Also, the Successful Bidder has to submit minimum three copies for approval purpose.
- f) All the Measurements shall be taken as per IS standards
- g) All Tools, Tackle, lifting or any other equipment needed for completion of the job is to be included in scope. No extra payment will be made to Successful Bidder on this account.
- h) The Successful Bidder has to submit three Copies of the As Built Drawings Plus two CD for record purpose.
- i) The Successful Bidder has to submit two copies of Operation and Maintenance manuals. one copy should be Original.

SPECIFICATION OF 3-Way Ring Main Unit (2 LBS + 1 VCB)

3-Way Ring Main Unit (RMU) comprising 2 Load Break Switches (LBS) and 1 Vacuum Circuit Breaker (VCB), complete with CTs, PTs, numerical relays, cable termination kits, Civil foundation, and enclosed room as per specifications below: -

RMU Type : -

3 Way, non-extensible type

Configuration:

- 2 × Load Breaker Switch (LBS) – Ring Feeder
- 1 × Vacuum Circuit Breaker (VCB) – Transformer Feeder

Electrical Rating

- Rated Voltage: 11 kV (12 kV system)
- Rated Frequency: 50 Hz
- Rated Insulation Level:
Power Frequency Withstand: 28 kV (1 min)
Lightning Impulse Withstand: 75 kVp
- Rated Current:
LBS: 630 A
VCB: 630 A
- Short Circuit Withstand:

20 kA for 3 sec (minimum)

- Busbar Rating: 630 A, Copper

Load Breaker Switch (LBS) – Specification

- Type: SF6 / Solid Insulated Load Break Switch
- Rated Current: 630 A
- Making Capacity: 63 kA peak
- Breaking Capacity: Load & Line Charging Current
- Operation:
 - Manual spring assisted
 - Provision for motorized operation (optional)
- Interlocking:
 - Mechanical & electrical interlocks
- Earthing Switch
 - Integral earthing switch with making capacity
- Indication:
 - ON / OFF / EARTH position visible
- Closing system
 - Tripping system

Vacuum Circuit Breaker (VCB) – Specification

- Type: Vacuum Circuit Breaker
- Rated Voltage: 11 kV
- Rated Current: 630 A
- Short Circuit Breaking Capacity: 20 kA
- Operating Mechanism:

Spring charged motorized mechanism

- Protection Relay:
 - Numerical Relay with
 - Over Current (OC)
 - Earth Fault (EF)
- Trip Circuit:

110V / 220V DC or AC (as specified)

- Indications:
 - Breaker ON / OFF / Trip
- Mechanical & Electrical Interlocks provided
- Vacuum Interrupters
- Motorized Operation

Metering & Protection

Energy Meter:
Trivector / Multifunction Meter
Parameters: V, I, kW, kVA, VAR, PF, kWh

CTs:

Ratio: As per transformer rating

Accuracy: 0.5 / 1.0 class

5P10/5P20 for protection

- PTs:
11 Kv/110 V
- Relays
Numerical protection relay with overcurrent
Earth fault
provision for differential protection
Auxiliary relays.

Cable Termination Kits

- Suitable for 11 kV XLPE Cables
- Touch-proof and shielded accessories
- Type:
Heat Shrink / Cold Shrink / Plug-in Type
- Cable Size: 3 Core / Single Core
70 sq.mm to 400 sq.mm (as per requirement)
- Indoor Termination:
Stress control tubing
Anti-tracking & anti-erosion
- Outdoor Termination (if applicable):
Weather resistant
- Compatible with RMU bushing type (A / C / E interface)

Enclosure & Construction

- Type:
Metal enclosed, SF6 / Solid insulated
 - Degree of Protection:
IP54 (minimum)
 - Enclosure Material:
Stainless steel / CRCA with powder coating
 - Internal Arc Withstand:
As per IEC 62271
 - Cable Entry:
Bottom / Side entry
- Standards

1. SPECIFICATION OF 1600 KVA DISTRIBUTION TRANSFORMER

Parameter	Specification
Rated Capacity	1600 kVA
Type	Outdoor Duty
Applicable Standard	IS: 2026 or Latest applicable for Transformer.
Number of Phases	3 Phase
Core	Mitred type CRGO laminated
Winding Conductor	Copper
Rated Primary Voltage	11 Kv
Rated Primary Insulation Level	12 Kv
Rated Frequency	50 Hz
Basic Impulse Level (BIL)	75 kV (Peak)
Power Frequency Withstand Voltage	28 kV (RMS)
Cooling	ONAN
Tap Changer	On Load Tap Changer (OLTC)
Tap Range	+10% to -15% @ 1.56% steps
RTCC Panel	Provided with RS-485 communication
Control & Sensing Cabling	From RTCC to OLTC, up to 50 meters
Secondary Voltage (Phase-Phase)	433 Volts
Secondary Voltage (Phase-Neutral)	250 Volts
LV Power Frequency Test Voltage	3 kV
Vector Group	Dyn11
Rated Impedance at 75°C	6.25%
Maximum Ambient Temperature	50°C

Protection, Indications & Accessories

- Winding Temperature Indicator with Alarm & Trip contacts
- Oil Temperature Indicator with Alarm & Trip contacts
- Buchholz Relay with Alarm & Trip contacts
- Magnetic Oil Level Gauge with Alarm & Trip contacts
- Neutral Current Transformer – 3000/1 A, connected in transformer neutral
- RTCC Panel with RS-485 communication
- Control & sensing cables up to 50 m included

Terminal Connections:

- H.V. Side

Cable End Box suitable for:

11 kV, 3.5 Core × 300 sq.mm XLPE (E)

Aluminium conductor, armoured cable

Suitable for outdoor air terminations

Complete with colour-coded heat-shrink HT sleeves

- L.V. Side

Cable End Box suitable for:

3.5 Core $\times$ 300 sq.mm cables with approx. 7/8 runs

Continuous current carrying capacity of 3200 Amps

LT Switchgear (Transformer Outgoing)

Mechanically Operated

- Microprocessor-based protection with:

Over-current

Short-circuit

Earth fault protection

Rated Voltage: 415 V, 50 Hz

- Shunt Trip Coil: 230 V AC

- Communication: RS-485

- Breaking Capacity:

$I_{cu} = I_{cs} = I_{cw} = 50 \text{ kA}$ for 1 second

Marshalling & Control Wiring

- 2.5 sq.mm, 1100 V grade, FR copper control cables

HT Cable

- 11 kV, 3.5 Core $\times$ 300 sq.mm XLPE (E)
- Aluminium conductor, armoured

HT Cable Termination & Jointing

- Heat Shrinkable Termination Kits for
11 kV, 3.5 Core $\times$ 400 sq.mm XLPE (E) Aluminium Cable

Electrical Safety Mats

HT Area

Rubber insulating mat, 20 mm thick

Size: 1000 mm (W) $\times$ 2000 mm (L)

Suitable for 11 kV Grade

LT / Isolator Area

Electrical insulating mat, Class A

Thickness: 2.0 mm

Size: 900 mm (W) $\times$ 2000 mm (L)

Suitable for 3.3 kV Grade

2. SPECIFICATION OF POWER CONTROL CENTRES

PCC Panels:

- Front operated, dead-back construction
- Floor mounted type
- Bottom horizontal busbars with top cable entry
- Fabricated from minimum 14-gauge CRCA sheet steel for main frame, doors and partitions
- Dust-proof, vermin-proof with lockable doors

Busbar :

- Electrolytic grade tinned copper of 99.95% purity
- Colour-coded with heat-shrinkable PVC sleeves
- Supported on SMC/DMC insulated supports

Painting :

- Powder-coated granular finish
- Seven-tank surface treatment process
- Shade as approved
- Painting to be carried out on both internal and external surfaces

3. Main Power Control Centre

A. Incomer Section

- Rating: 2000 Amps
- Type: Four Pole, electrically operated, Draw-out type
- Breaker Type: Air Circuit Breaker (ACB)
- Protection: Microprocessor-based with built-in
Over-current
Short-circuit
Earth-fault protection

Electrical Ratings:

- System Voltage: 415 V AC
- Frequency: 50 Hz
- Shunt Trip Coil: 230 V AC
- Breaking Capacity:
 $I_{cu} = I_{cs} = I_{cw} = 50 \text{ kA for 1 second}$
- RS-485 communication port for BMS integration
- Electrical interlocking with upstream HT breaker

B. Metering Section for Incomers

- Type: CT-operated Load Manager
- Communication: Built-in RS-485 port for BMS connectivity

C. Indication Section (Incoming)

- Phase indicating lamps, LED type
- LED lamps (Red & Green) indicating ACB ON/OFF status
- Trip circuit healthy lamps (White) with push button
- Blue lamps for spring-charged indication of ACB
- Amber lamps for auto-trip indication of ACB

D. Current Transformers (Incoming)

For Metering:

Ratio: 3200/5 Amps

Burden: 15 VA

Accuracy Class: Class-1

CT: Cast Resin

For Protection:

Ratio: 3200/5 Amps

Burden: 15 VA

CT: Cast Resin

Accuracy Class: Class-5P20

E. Protective Relays

- Single Phase Reverse Power Relays
- Restricted Earth Fault (REF) Protection Relays
- Master Trip (Lockout) Relays
 - Suitable for 110 V DC
 - Hand reset type

F. Busbar System

- Rated Current: 3200 Amps
- Voltage: 415 V AC
- Configuration: 3 Phase + Neutral
- Material: 99.95% purity electrolytic grade tinned copper
- Short Circuit Withstand: 50 kA for 1 second
- Insulation: Colour-coded heat-shrink sleeves
- Supports: SMC/DMC insulated supports
- Horizontal and vertical busbars uniformly rated for 3200 Amps

G. Outgoing Feeders

ACB Outgoings

- Four Pole, electrically operated, Draw-out type ACB
- Microprocessor-based protection
- $I_{cu} = I_{cs} = I_{cw} = 50 \text{ kA}$ for 1 sec
- 230 V AC shunt trip coil
- Built-in RS-485 for BMS
- All indications and metering as per SLD

MCCB Outgoings

- Four Pole MCCB
- $I_{cu} = I_{cs} = 25 \text{ kA}$ for 1 sec

- 230 V AC shunt trip coil
- potential-free contacts for BMS

4. Harmonic Filter Panel

Scope: Total Harmonic Distortion (THDi) $\leq 18\%$.

Standards:

Construction:

- Front operated, dead-front, floor-mounted panel
- Fabricated from minimum 14-gauge CRCA sheet steel
- Dust-proof and vermin-proof construction
- Powder-coated finish with 7-tank pretreatment process
- Enclosure protection: IP-54

Electrical Characteristics:

- System Voltage: 415 V AC
- Frequency: 50 Hz
- Short Circuit Withstand Capacity: Minimum 50 kA
- Continuous operation at 440 V over-voltage conditions

Major Components:

- Detuned passive harmonic filters
- Copper-wound, low-loss reactors
- Minimum detuning factor: 5.67%
- Capacitor banks with discharge resistors
- Protective fuses and contactors
- Thermal protection devices
- Bleed coils

Internal Wiring & Busbars:

- FRLS copper control cables, minimum 2.5 sq.mm
- Proper ferrules and termination
- Busbars of 99.95% purity electrolytic grade tinned copper
- Heat-shrink identification sleeves

Metering & Communication

- RS-485 Modbus protocol
- Suitable for BMS / SCADA integration
- The panel include metering for Voltage, Current Kw, KVA, Power Factor , THDi, THDv

5. SPECIFICATIONJ OF VTPN DB

Applicable Standard:

- IS 8623 – Low Voltage Switchgear & Control gear Assemblies
- IS 13947 – MCCB / MCB
- IS 5578 / IS 11353 – Busbar identification
- IS 210 – CRCA sheet steel
- IS 694 – Internal wiring
- IEC 62053 – Energy meters

Enclosure & Construction:

- Type: VTPN Distribution Board, front-operated, dead-back construction
- Material: CRCA sheet steel, minimum
 - Main frame: 14 gauge
 - Covers & doors: 16 gauge
- Mounting: Wall / floor mounted as specified
- Degree of Protection:
 - IP42 (indoor) / IP54 (dust & splash proof)
- Finish:
 - 7-tank pre-treatment
 - Electrostatic powder coating, minimum 60–80 microns, shade RAL 7032 / 7035
- Door: Hinged, lockable with gasket and panel earthing braid
- Accessories:
 - Removable gland plates (top/bottom)
 - Separate cable alley
 - Danger & phase identification labels

Rated Electrical Parameters:

- Rated Voltage: 415 V AC $\pm 10\%$, 3-phase, 4-wire
- Rated Frequency: 50 Hz
- Rated Current: 250A
- System: TPN (3 Phase + Neutral)
- Short Circuit Withstand: As per MCCB & busbar rating

Incomer:

- Type: MCCB
- Rating: 250A, 4-Pole
- Breaking Capacity: 25 kA at 415V
- Protection:
 - Adjustable Thermal & Magnetic release

- Accessories:
 - Spreader links
 - Terminal shields
 - Mechanical ON/OFF/TRIP indication

Outgoing Feeders (12 Ways – As per Load Schedule:

- TP MCB
- 100A TP MCB, 10kA, Type C / D curve
- 63A TP MCB, 10kA, Type C / D curve
- 32A TP MCB, 10kA, Type C / D curve

Busbar System:

- Material: High conductivity electrolytic copper
- Rating: 250A continuous
- Configuration: 3-Phase + Neutral (TPN)
- Neutral Bus: Same cross-section as phase
- Type: Insulated, shrouded, colour-coded
- Mounting: Supported on SMC/DMC/epoxy insulators
- Earth Bus: Separate copper earthing bar

Metering & Instrumentation:

- Multifunction Digital Load Manager / Energy Meter with display for: kWh/ Voltage/ Current/ Frequency/ Power Factor/ kW, kVA, kVAr
- Accuracy Class: Class 1
- CTs:
 - Suitable for 3-phase metering
 - Ratio: 150/5A or 250/5A (as per load)
- CTs mounted inside DB with shorting links

Internal Wiring & Accessories:

- Control wiring: FRLS PVC insulated copper wires, minimum 1.1 kV grade
- Terminations:
 - Crimped copper lugs
 - Numbered ferrules
 - PVC sleeves
 - Cable markers
- Earthing:
 - Copper Earthing Strip / Earthing Stud inside DB
 - All non-current carrying metal parts earthed
 - Door earthing using flexible copper braid
 - Provision for external earth connection

6. SPECIFICATION OF CABLE AND CABLE TRAYS

Applicable Standard:

Cable Construction & Ratings:

- Voltage Grade: 1.1 kV
- Conductor:
Aluminium / Copper, stranded, circular / compacted
- Insulation: XLPE
- Inner Sheath: Extruded PVC
- Armouring: GI wire / strip armoured (for multicore cables)
- Outer Sheath: PVC, FR type, black
- Core Identification: Colour coded as per IS standards
- Operating Temperature:
Normal: 90°C
Short circuit: 250°C

Main Power Cable (Transformer to LT Panel):

- Size: 3.5 Core × 300 sq.mm
- Type: XLPE Insulated Aluminium Conductor, Armoured Cable
- Application: From Transformer to LT / PCC Panel

Cable Laying & Installation:

- Cable laying on
GI cable trays
GI supports / wall cleats
Trenches / ducts / hume pipes
- Cable tags provision
- Suitable for sand bedding, bricks, warning tape and route marker provision where laid underground
- Maintain bending radius and pulling tension

Cable Trays & Supports:

- Material: GI (Hot Dip Galvanized)
- Type: Perforated / Ladder type
- Thickness: Minimum 2.0 mm
- Finish: Hot dip galvanized
- Supports:
MS angles / channels / cantilever brackets
Anchor fasteners / clamps

Termination & Glanding:

- a) Incomer Cable Termination
Termination of Existing 3.5 Core × 300 sq.mm XLPE Aluminium Armoured Cable
 - Double compression brass cable glands
 - Tinned copper / aluminium crimping lugs

- Heat shrink sleeves
- b) Outgoing Feeder Termination
 - Provision of identification ferrules and cable markers to be provided

Earthing:

- copper earthing conductor
 - Cable armour, glands, trays and supports to be bonded to earth
-

10 SPECIFICATIONS OF EARTHING SYSTEM (REF BOQ):

- GI Funnel:

Fabricated from 18-gauge GI sheet, complete with wire mesh to prevent debris entry.
 - Backfilling material:

Alternate layers of charcoal and salt, filled up to pit level, strictly as per IS:3043 recommendations.
 - Masonry Chamber:

Constructed with first-class bricks in cement mortar.
Smooth cement plaster finish internally and externally.
 - Foundation:

Necessary cement concrete foundation base provided
 - Cover:

Heavy-duty MS plate manhole covers with MS frame, suitable for outdoor use.
 - Resistance:

Earth resistance within permissible limits as per IS:3043 and project requirements.
 - Standards:

IS:3043
 - Identification & Tagging

Earthing pit provided with a permanent engraved MS identification tag indicating pit number and location
2. Earthing Strips / Conductor
- It includes all accessories, clamps, bolts, nuts, washers, welding, bonding, and making proper electrical connections
- Jointing Method & Continuity:

All joints between earthing conductors and made by exothermic welding / brazing / approved clamps
 - Corrosion Protection:

All GI / MS components are hot-dip galvanized and exposed parts treated with approved anti-corrosive coating

- All earthing pits interconnected to form a common earthing grid for equipotential bonding

2.1. Transformer Neutral Earthing

- Earthing conductor:

50 mm × 6 mm Tinned Copper tape

- Application:

Used for Transformer Neutral Earthing.

- Installation:

Laid neatly on wall / trench / structure

Properly supported and terminated with approved clamps or brazed connections.

- Continuity:

Electrical continuity ensured throughout the length

2.2. Panel Body Earthing

- Earthing conductor:

50 mm × 6 mm GI strip, provided with PVC heat-shrinkable sleeve for protection.

- Application:

Used for Body Earthing of all Panels (PCC, MCC, DBs, etc.).

- Installation:

Properly fixed with GI clamps, bolts, nuts, and washers

Ends terminated securely to panel earth bus and earthing grid.

- Protection:

Heat-shrink sleeve to provide corrosion resistance and mechanical protection.

6.0 Specifications for installation of MV/LV cables: -

6.1 General: -

6.1.1 MV Cables shall be inspected prior to laying, laid tested and commissioned in accordance with drawings, specifications, relevant Indian Standards Specifications and cable Manufacturer's instructions. The Cable shall be delivered at Site in original drums with manufacturer's name clearly written on the drum.

6.1.2 The recommendations of the cable manufacturer with regard to jointing and sealing shall be strictly followed.

6.2 Inspection: -

6.2.1 All cables shall be inspected upon receipt at site and checked for any damage during transit.

6.2.2 While selecting cable route for external lighting, sewage effluent pipes, Fire Hydrant Pipes etc. shall be avoided; where this is not feasible, special precautions as decided by the Bank / Consultants, shall be taken.

6.2.3 Proximity to communication cables: -

Power and communication cables shall as far as possibly cross at right angles. Where power cables are laid in proximity to communication cables the horizontal and vertical clearances shall not normally be less than 60 cms.

6.2.4 Laying methods: -

- a) Cables shall be laid directly in ground, in pipes/ closed ducts, in open ducts or on surface depending on environmental and site conditions.
- b) During the preliminary stages of laying the cables, consideration should be given to proper location of the joint position so that when the cables are actually laid the joints are made in the most suitable places. As far as possible waterlogged locations, carriage ways, pavements, proximity to telephone cables, gas or water mains, inaccessible places, ducts pipes Racks etc. shall be avoided for joint position.

6.3 Laying direct in ground: -

6.3.1 General: This method shall be adopted where the cable route is along roads etc. and where no frequent excavations are encountered and where re-excavations are easily possible without affecting other services.

6.4 Trenching: -

6.4.1 Width of trench: The width of the trench shall first be determined on the following basis:

- a. The minimum width of trench for laying single cable shall be 35 cm.
- b. Where more than one cable is to be laid in the same trench in horizontal formation, the width of trench shall be increased such that the inter-axial spacing between the cables, except where otherwise specified shall be at least 20 cm.
- c. There shall be a clearance of at least 15 cm between axis of the end cables and the sides of the trench.

6.4.2 Depth of Trench: -

The depth of the trench shall be determined on the following basis:

- a. Where cables are laid in single tier formation, the total depth of trench shall not be less than 75 cm. for cables up to 1.1 KV and 1.20 m for cables above 1.1 KV.
- b. When more than one tier of cables is unavoidable and vertical formation of laying is adopted, depth of trench in above shall be increased by 30 cm for each additional tier to be formed.

6.4.3 Excavation of Trenches: -

- a. The trenches shall be excavated in reasonably straight lines. Wherever there is a change in direction, suitable curvature shall be provided complying with the requirements of the manufacturer.
- b. Adequate precautions should be taken not to damage any existing cable(s), pipes or other such installation in the proposed route during excavation. Wherever bricks, tiles or protective covers or bare cables are encountered, further excavation shall not be carried out without the approval of the Architect / Consultants.

- c. If there is any danger of a trench collapsing or endangering adjacent structures, the sides should be well shored up with timbering and/or sheeting as the excavation proceeds. Where necessary, these may even be left in places when back filling the trench.
- d. Excavation through lawns shall be done in consultation with the staff of the department/owner concerned.
- e. The bottom of the trench shall be level and free from stone, brick bats etc. The trench shall then be provided with a layer of clean, dry sand cushion of not less than 8 cm in depth.

6.5 Laying of Cable in trench: -

6.5.1 At the time of issue of cable for laying the cores shall be tested for continuity and insulation resistance.

6.5.2 When the cable has been properly straightened, the cores are tested for continuity and insulation resistance, and the cable is then measured. In case of PVC cables suitable moisture seal tape shall be used for this purpose. All wastage to be in Successful Bidders account.

6.5.3 a) Cable laid in trenches in a single tier formation shall have a covering of clean, dry sand of not less than 17 cms above the base cushion of sand before the protective cover is laid.

b) In the case of vertical multi-tier formation after the first cable has been laid, a sand cushion of 30 cms shall be provided over the initial bed before the second tier is laid. If additional tiers are formed, each of the subsequent tiers also shall have a sand cushion of 30 cms as stated above. The topmost cable shall have final sand covering not less than 17 cms before the protective cover is laid.

6.5.4 At the time of original installation, approximately 3m of surplus cable shall be left on each end of the cable and on each side of underground joints (straight through /Tee/Termination) and at entries and places as may be decided by the Bank. The surplus cable shall be left in the form of a loop. Where there are long runs of cable length, loose cable may be left at suitable intervals as specified by the Site Engineer.

6.5.5 Unless otherwise specified, the cables shall be protected by second class bricks of not less than 20 cm x 10 cm x 10 cm (nominal size) protection covers placed on top of the sand, (bricks to be laid breadth wise) for the full length of the cable to the satisfaction of the Bank / Consultants. Where more than one cable is to be laid in the same trench, this protective covering shall cover all the cables and projects at least 5 cm. over the sides of the end cables.

Back filling: -

6.6.1 The trenches shall be then back filled with excavated earth free from stones or other sharp-edged debris and shall be rammed and watered, if necessary, in successive layers not exceeding 30 cm. Unless otherwise specified, a crown of earth not less than 50 mm. in the center and tapering towards the sides of the trench shall be left to allow for subsidence. The crown of earth however should not exceed 10 cm. so as not to be a hazard to vehicular traffic.

The temporary reinstatements of roadways should be inspected at regular intervals, particularly during the wet weather, and any settlement should be made good by further filling as may be required. After the subsidence has ceased, trenches cut through roadways or other paved areas shall be restored to the same density and material as the surrounding area and repaved to the satisfaction of the Bank / Consultants.

- 6.6.2 Where Road turns or lawns, have been cut to kerb stones displaced, the same shall be repaired and made good except turning / asphaltting to the satisfaction of the Site Engineer and all surplus earth or rock removed to places as specified.

6.7 Route Marker: -

- 6.7.1 Route marker shall be provided along straight runs of the cables at locations approved by the Site Engineer/Consultants and generally at intervals not exceeding 100 m. Markers shall also be provided to identify change in the direction of the cable route and also for location of every underground joint.

- 6.7.2 Route markers shall be made out of 100 mm x 100 mm x 5 mm GI/Aluminum plate, welded or bolted on to 35 mm x 35 mm x 6 mm angle iron 60 cm. long. Such plates marker shall be mounted parallel to and 0.5 m or so away from the edge of the trench.

- 6.7.3 The word `cable` and other details such as voltage grading size etc. as furnished by the Site Engineer shall be inscribed on the marker.

6.8 Single Core Cables: -

Three single core cables forming one three phase circuit shall normally be laid in close trefoil formation and shall be bound together at intervals of approximately 1 m. The relative position of the three cables shall be changed at each point; complete transposition being affected in every three consecutive cable lengths. The joints shall be clearly marked in an approved manner to indicate the circuit and phases. The arrangement for laying a number of parallel cables shall be as detailed of IS: 1255/1967.

6.9 Laying in Pipes/Closed Ducts: -

- 6.9.1 In locations such as road crossing, entry to buildings, on poles, in paved areas etc. cables shall be laid in pipes or closed ducts.

- 6.9.2 Stone ware pipes, GI, CI or Spun reinforced concrete pipes shall be used for such purposes. In the case of new construction, pipes as required shall be laid along with the Civil Works and jointed as per the instructions of the Bank / Consultants. The size of the pipe shall be decided by the Bank and shall not be less than 10 cm in diameter for a single cable and not less than 15 cm for more than one cable. These pipes shall be laid directly in ground without any special bed except for SW pipe which shall be laid over 10 cm. thick cement concrete 1:5:10 (1 cement: 5 coarse sand: 10 graded stone aggregate of 40 mm nominal size) bed. No sand cushioning or tiles need be used in such situations. Unless otherwise specified, the top surface of pipes shall be at a minimum depth of 1 m. from the ground level when laid under roads, pavements etc.

Where steel pipes are employed for protection of single core cables feeding AC load, the pipe should be large enough to contain both cables in the case of single-phase system and all cables in the case of poly-phase system.

6.9.3 Pipes for cable entries to the building shall slope downwards from the building and suitably sealed to prevent entry of water inside the building. Further, the mouth of the pipes at the building end shall be suitable to be sealed to avoid entry of water.

6.9.4 All chases and passage necessary for the laying of service cable connections to buildings shall be cut as required and made good to the original finish and to the satisfaction of the Site Engineer / Consultants.

6.9.5 Cable grips/draw wires and winches etc. may be employed for drawing cables through pipes/closed ducts etc.

6.11 Laying on Surface: -

6.11.1 The cables may be laid in troughs or brackets at regular intervals or directly cleated to wall/ceiling. When laid over brackets support, the cables shall be clamped to prevent undue sag.

6.11.2 Cable clamps shall be made from materials such as mild steel or Aluminum only. In case of single core cables, the clamps shall be non-magnetic materials. Suitably non-corrosive packing shall be used for clamping unarmoured cables, to prevent damage to the cable sheath.

6.12 Cable Identification Tags: -

Wherever more than one cable is laid/run side by side, marker tags as approved, inscribed with cable identification details shall be permanently attached to all the cables in the manholes/open ducts etc. These shall also be attached to various cables laid direct in ground at suitable intervals as decided by the Architect / Consultants before trenches are filled up.

6.13 Testing: -

6.13.1 All cables before laying shall be tested with a 500 Volts megger for 1.1 KV grade or with a 2,500/5,000 Volts megger for cables of higher voltages. The cable cores shall be tested for continuity, absence of cross phasing, insulation resistance to earth/sheath/armor and insulation resistance between conductors.

6.13.2 All cables shall be subjected to above mentioned tests during laying, before covering the cables by protective covers and back filling and also before jointing operations.

6.13.3 In the absence of facilities for pressure testing, it is sufficient to test for one minute with 1,000 Volts megger for cables for 1.1 KV grade and with 2,500/5,000 Volts megger for cables of higher voltages.

6.14 Specifications for Earthing Grid and Earth Stations: -

The earthing system shall comply with the relevant standard as laid down in the Fire Insurance and Indian Standard Specifications.

The Earthing stations for Pipe and Plate Earthing shall be as per drawings. Entire Civil works; Salt, Charcoal in proper proportions, Watering chamber with wire mixing etc. shall be done. The Earth tapes wherever indicated shall be obtained by using Earth Megger. The results should comply with the Standards bid down by the Indian Standard Specifications.

The Lightning Arrestors shall be fixed on angle from framework secured to the building walls at the topmost painted and at all other points wherever indicated on the plan. They shall be connected to earth by using G.I. Tapes of appropriate size. The entire unit shall have completed earth grid running around the unit and the same shall be inter-connected. The entire works of earthing should be complete in all respects such as welding the GI tape joints, tapping etc. There shall be no place where earthing strips are not connected to earth stations. G.I. tape shall be fixed on walls or laid in prepared trenches or chiseled in ground and redone etc. as per directions.

7.0 Document, Certificates, Drawings and Spare Requirements:

7.1 The intent of this specification is to give a guideline of the Successful Bidder to furnish in reproducible all sets of relevant papers and lists of spares for the continuous performance of the Owner's Building. Nothing shall absolve the Successful Bidder from not furnishing any information documents and/or papers that have not been specifically stated herein.

- a) **Document:** -All relevant documents for maintenance, manuals procedures and data of all Electrical Equipment's supplied and erected by the Successful Bidder on the site. The documents shall be bound and furnished to the Owner.
- b) **Certificates:** All relevant tests certificates etc. and as more specifically stated in clause, shall be furnished. Contract shall also furnish all such certificates issued by the original manufacturer towards guarantee of performance of all equipment's supplied by the Successful Bidder.
- c) **Drawings :** All working and erection drawing of the final erected plan of all electrical installation work in reproducible of equipment's such as MV Panel Distribution Boards, Cable routing, sizing, connection diagrams, circuits, wiring diagram and conductor sizes, lengths, terminations details, operational charts, recorded readings, load details, lighting arrangement, earthing stations etc. shall be furnished to the Owner. The Owner reserves the right to the mode of submission of such details being furnished by Successful Bidder.
- d) The Successful Bidder shall, notwithstanding anything stated otherwise, shall furnish list of recommended maintenance tools, spares, fuses, sets, codes, catalogues, appropriate pricing, original equipment manufacturers address etc. to the Owner. Prior to such furnishings, Successful Bidder shall make a proper assessment of all such requirements and then proceed to make the lists. The Successful Bidder shall also be deemed to have understood the requirements, in such a way that it ensures continuous operation and functioning of the Electrical Equipment under the stated ratings, conditions and specifications.

MAKES			
Sr	ITEMS	MAKES	Makes offered by Bidder
1.	Ring Main Unit (RMU)	Schneider India, ABB India, Crompton Greeves (CG), Lucy, Siemens	
2.	Outdoor Duty ONAN Transformer 1600 KVA	BHEL, ABB India, Siemens, Voltamp, Crompton Greeves, Kirloskar	

MAKES			
Sr	ITEMS	MAKES	Makes offered by Bidder
3.	HT Cable – 11 KV XLPE (E) Cable	Finolex, RR Cables, KEI, RPG	
4.	Harmonic Filter	Delta, Vertiv, EPCOS/ Power Matrix/ Visa Powertech	
5	Low Tension, 415 Volts AC Air Circuit Breaker, 3 / 4 Pole 50 Hz, 50 KA-STR. Micro Processor Based	Schneider, ABB, Siemens	
6	Low Tension, XLPE/PVC, Armoured/Unarmored, 1.1 KV grade, Aluminum/ Copper conductor cables type A2XFY/YFY.	FINOLEX/RR KABEL/ KEI / RPG / Polycab	
7	Low Tension, TP, Moulded Case Circuit Breaker, 415 Volts AC, 3 Phase 50 Hz., 50 KA-STR. Microprocessor/Thermal Release	SCHNEIDER / ABB / MDS / Siemens	
8	Low Tension, Dry Type Capacitors 440 Volts, 50 Hz., 3 Phase with APFC Panel	POWER MATRIX/ VISA POWERTECH/EPCOS	
9	Indicating Lamps Holders with LED type lamps.	ALTOS/MIMIC /TECHNIK	
10	Selector Switches for Ammeter/ Voltmeter.	SALZER/ KAYCEE	
11	Load Managers, Digital type Ammeters, Voltmeters, PF meters, Frequency Meters.	SCHNEIDER / TRINITY / SOCOMEC/ RISHABH	
12	Panel wires, Gray/Black colour in 660/1100 Volts. grade (FR).	FINOLEX/RR KABEL/ KEI / RPG/ Polycab	
13	Cable Glands – Siemens Single Compression type.	COMET/ BRACO/DOWELLS / Jainson/ 3D/ HMI	

MAKES			
Sr	ITEMS	MAKES	Makes offered by Bidder
14	Lugs, Crimping type, tinned copper heavy duty only.	DOWELL'S/COMET/BRACO / 3D / Jainson	
15	HRC Control fuses with Bakelite/type moulded fuse holders.	L&T/ABB/SCHNEIDER	
16	Push Button Stations type, in different colour codes.	SCHNEIDER /TECHNIK/ L&T	
17	Terminal Blocks, Push On type.	WAGO/ ELEMEX / SCHNEIDER	
18	Miniature Circuit Breakers of 10 kA, RCCB, RCBO, ELCB Breaking Capacity and Distribution Boards.	SCHNEIDER/LEGRAND/ABB/HAGER	
19	CTs 1100 Volts grade Cast Resin Only	AUTOMATIC ELECTRIC/ KAPPA/RECO	
20	Load Manager with RS 485 Port & Software	SCHNEIDER/ CONZERV /RISHAB	
21	All Light Fittings & Fixtures	PHILIPS/ANCHOR-PANASONIC/ WIPRO/OSRAM	
22	GI Conduits.	VIMCO/BEC	
23	GI Conduit Accessories	VIMCO/P&I	
24	FRLS Wires in 660/1100 Volts grade for point wiring.	FINOLEX/RR KABEL/ KEI / RPG / Polycab	
25	Single Pole Switches and Sockets 6/16 Amps. Modular Type.	Schneider / LEGRAND / ANCHOR / L&T Roma / Mosaic	
26	Ceiling Fan	CROMPTON/ USHA/ORIENT	
27	Exhaust Fan.	CROMPTON/ USHA/ORIENT	
28	Telephone Sockets	Schneider / LEGRAND - ARTEOR/ ANCHOR – WOODS / MK	
29	Electronic Ballast for Light Fittings as per Technical Specifications	PHILIPS/ATCO/OSRAM	
30	Telephone Tag Block.	KRONE	
31	PVC conduits &	Precision / Diamond	

MAKES			
Sr	ITEMS	MAKES	Makes offered by Bidder
	Accessories		
32	Interlock Switch Sockets/Industrial Plugs & Sockets	SCAME/LEGRAND/PCE / Anchor	
33	CRCA Sheets for Panels/Bus Duct/Rising Mains 10 SWG/14 SWG/16 SWG	JINDAL/TATA/ RAYMOND	
34	MS Welding Rods	ADVANI OERLICON	
35	All type of Fasteners	HILTI/FISHER	
36	Paints & Primers	ASIAN/DUCO	
37	Mild Steel	TATA/JINDAL	
38	PIR Sensors	Legrand/Schneider/L&T	
39	GI Bolted/LADDER Cable Trays & SS Basket Trays	PROFAB/ Indiana /CABLOFIL / Rite	
40	Rigid PVC/GI Pipes 2.0 mm Wall Thickness and Accessories	PRECISION/ CIRCLE-ARK/BEC	
41	Automatic Transfer Switches	EMERSON (ASCO) / SOCOMEC / SCHNEIDER	
42	Fire extinguishers	MINIMAX / SAFEX / SUPREMEX	
43	Telephone Cable	D-Link / Systemax / Amps	
44	Coaxial TV Cable	Delton / Polycab	
45	Voice Data	D-Link / Systemax / Amps	

7. Successful bidder must confirm the acceptance of Work Order within two working days from date of placing the order.

8. Warranty

The successful bidder must warrant all equipment, accessories, spare parts, components, subcomponents, hardware, software, consumables, fittings, fixtures etc. in general the entire infrastructure provided against any manufacturing or other defects during the warranty period of **One Year**. The date of commencement of warranty will start from the date of handover of the complete system under scope of contract for useful use of the Bank. During the warranty period, the successful bidder shall repair / rectify / completely replace at the installed site, without any cost implication to the Bank. All defective Equipments, accessories, spare parts, components, subcomponents, hardware, software, consumables, fittings, fixtures etc. that are supplied & installed by the Successful Bidder and brought to the bidder's notice by the Bank, and no extra claim whatsoever on this account shall be entertained. In case of negligence of the Bidder to repair / rectify / complete replacement, the Bank may notify the Bidder against such lapses and may also initiate action including imposing of necessary penalties, deduction of charges towards the losses suffered and including termination of contract and bidder shall not have any say in the matter or

decision of the Bank.

Warranty should not become void if the Bank buys, any other supplemental hardware from a third party and installs it within these equipment's under intimation to the Bidder. However, the warranty will not apply to such supplemental hardware items installed directly by the Bank.

As regards, the decision with respect to repair/rectification or complete replacement of the product or equipment so supplied and found to be defective during the warranty period, the decision of the Bank shall be final and binding upon the successful Bidder and Bidder shall have no say in taking such decisions.

9. Cost of Bidding

The Bidder shall bear all the costs associated with the preparation and submission of its bid and Bank, will in no case be responsible or liable for any costs, regardless of the conduct or outcome of the bidding process.

10. Language of Bid

The language of the proposal and any communication with Bank must be in written English only. Supporting documents provided with the tender response can be in another language so long as it is accompanied by an attested translation in English, in which case, for purpose of evaluation of the bids, the English translation will govern.

11. Instructions for Bid Submission

11.1 Document Cost

11.1.1 Document Cost: NIL

11.1.2 The tender Document can be downloaded from Government e-Marketplace (GeM) portal <https://www.gem.gov.in> and notification for the tender can be downloaded from Bank's Website <http://www.unionbankofindia.bank.in>.

The Bids should be submitted by the Bidders online through Government e-Marketplace (GeM) portal <https://www.gem.gov.in>.

Any bids dropped in tender box or submitted in physical hard copy format or received through fax/e-mail/physical mail or any means other than the GeM portal will not be received or opened and shall be summarily rejected.

11.1.3 All costs and expenses (whether in terms of time or material or money) incurred by the Bidder in any way associated with the development, preparation and submission of responses, including but not limited to attendance of pre-bid meeting, and providing any additional information required by the Bank, will be borne entirely and exclusively by the Bidder. The successful bidder will also be borne the expenses towards preparation of drawings for approval of the Bank.

12.

13. Bid Security /EMD (Refundable)

12.2.1 **Rs. 8,00,000/-** (Rupees Eight Lakh only) by Demand Draft or Pay order favoring “Union Bank of India” payable at Mumbai or Bank Guarantee (BG) of any scheduled commercial Bank other than “Union Bank of India”. EMD should be valid for 6 months from the last date of bid submission with a claim period of 45 days. Bidder has to upload scanned copy / proof of the DD/BG along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

12.2.2 **MSME / Start-up Benefits and Exemptions**

Bidders registered with NSIC or holding Udyog Aadhaar as Micro, Small, or Medium Enterprises (MSME), including Start-ups, shall be eligible for exemption from submission of Earnest Money Deposit (EMD) and tender document cost, subject to compliance with the following conditions:

a. For NSIC / MSME Bidders:

1. The bidder must submit a valid NSIC Certificate under the Single Point Registration Scheme (SPRS) or Udyog Aadhaar Certificate.
2. The certificate must clearly indicate registration for the relevant category, i.e., Supply, Installation, and Maintenance of HT/LT Electrical Systems / Electrical Equipment.
3. The certificate should be valid as on the date of bid submission.
4. MSME bidders are required to submit the prescribed Annexure – M / Annexure XIV (as applicable) in physical form (hard copy), duly certified and signed by a Chartered Accountant, along with the bid.

b. For Start-up Bidders:

Start-ups shall be eligible for exemption from EMD upon submission of a valid Certificate of Recognition issued by the Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce & Industry, Government of India.

c. General Conditions:

1. The benefits of exemption shall be applicable only for bidders meeting the eligibility criteria and registered for the relevant scope of work as specified in the tender.
2. Bidders failing to submit valid documentary evidence shall not be eligible for exemptions and their bids may be liable for rejection

12.2.3 **Other terms & conditions relating to Bid security is as under:**

- a) No interest will be payable on the Bid Security amount.
- b) Unsuccessful Bidders' Bid security will be returned after completion of Tender process. Unsuccessful Bidders should submit the Letter for Refund of EMD/Bid Security for returning of the bid security amount.

12.2.4 **Bid Security will be forfeited in the following cases:**

- a) If a bidder withdraws its bid during the period of bid validity; or
- b) If a Bidder makes any statement or encloses any form which turns out to be false / incorrect at any time prior to signing of Contract.

- c) In case of shortlisted bidder does not participate in the further bidding process.
- d) In case of a successful Bidder, if the Bidder fails:
 - i) To execute Contract within the stipulated time as decided by the Bank or
 - ii) To furnish Performance Bank Guarantee as mentioned in Performance Bank Guarantee clause herein.

12.2.5 Bidder who is claiming waiver of EMD as per clause 12.2.2 should also submit an undertaking in lieu of Bid security deposit. Bidder should submit bid security declaration as per **Annexure – D**.

13. Performance Security Deposit

The successful bidder shall provide a Performance Security Deposit within 15 days from the date of receipt of the work order or signing of the contract whichever is earlier in the form of Demand Draft(DD) or Pay order or Performance Bank Guarantee of any scheduled commercial Bank **other than “Union Bank of India”** as per **Annexure I** in the amount of 5 % of cost of the work(TCO) or pay order in favour of “Union Bank of India” payable at “Mumbai” and valid for **complete tenure of the work i.e. -180 days** , with a claim period of further 1 year and validity should be 60 days beyond the date of completion of contractual obligation.

In the event of non-performance of obligation or failure to meet terms of this TENDER, the Bank shall be entitled to invoke the performance bank guarantee or recovered from the Security Deposit held without notice or right of demur to the successful bidder for non-achieving of milestone/s set under the agreement or any other reason solely attributable to the successful bidder for the non-performance of the contract.

The Bank reserves the right to recover any dues payable by the selected bidder from any amount outstanding to the credit of the selected bidder, including the pending bills and/or invoking Performance Guarantee of Performance Security Deposit, if any, under this contract.

If the Performance Bank Guarantee or Security Deposit is not submitted within the stipulated time, the Bank reserves the right to cancel the order / contract and the earnest money deposit taken from the successful bidder, will be forfeited.

14. Period of Validity of Bids

Bids should remain valid for the period of at least 180 days from the last date for submission of bid prescribed by the Bank. In case the last date of submission of bids is extended, the Bidder shall ensure that validity of bid is reckoned from modified date for submission. Further extension of the validity of the bid will be decided by the bank in case of need. The price quoted in Commercial Offer will be valid till the completion of the work.

15. Amendment of Bidding Documents

Prior to the last date for bid-submission, Bank may, for any reason, whether at its own initiative or in response to clarification(s) sought from the prospective Bidders, modify the Tender contents/ covenants by amendment. Clarification /amendment, if any, will be notified on Bank's / Govt. website. No individual communication would be made in this respect. In order to provide, Bidders, reasonable time to take the amendment into account for preparing their bid, Bank may,

at its discretion, extend the last date of submission of bids.

16. Authorization to Bid

The proposal/ bid being submitted would be binding on the Bidder. As such, it is necessary that authorized personnel of the firm or organization sign the bid documents. The designated personnel should be authorized by a senior official of the organization having authority.

- a) All pages of the bid shall be initialed by the person or persons signing the bid.
- b) Bid form shall be signed in full & official seal affixed.
- c) Any inter-lineation, erasure or overwriting shall be valid only if they are initialed by the person or persons signing the Bid.
- d) All such initials shall be supported by a rubber stamp impression of the Bidder's firm.
- e) The proposal must be accompanied with an undertaking letter duly signed by the designated personnel providing a bid commitment. The letter should also indicate the complete name and designation of the designated personnel.

17. Two-part Bid

The Bid should be submitted through **online mode on GeM portal only** by the Bidder. It should comprise the following components:

- 17.1 Prequalification cum Technical bid – Part I: **“Pre-qualification cum Technical Bid for Supply, Installation, Testing, Commissioning of HT/LT Electrical System (Replacement of Existing 1600 KVA Transformer, Main Electrical Panel and allied works) at Union Bank of India, -1 A, Adi Shankaracharya Marg, DIT Powai, Mumbai – 400 072”.**
- 17.2 Part II: **“Price Bid for Supply, Installation, Testing, Commissioning of HT/LT Electrical System (Replacement of Existing 1600 KVA Transformer, Main Electrical Panel and allied works) at Union Bank of India, -1 A, Adi Shankaracharya Marg, DIT Powai, Mumbai – 400 072”.**
- 17.3 Any bid document not conforming to any one of the above terms will be rejected.
- 17.4 In the first stage, the Technical Bids of only those bidders who have submitted the Integrity Pact (IP) and Earnest Money Deposit (EMD)/Bid Security (if applicable) shall be evaluated. Bidders fulfilling the mandatory eligibility criteria, meeting the technical requirements stipulated by the Bank, and accepting all terms and conditions of the RFP/Tender document shall be considered technically qualified.
Subsequently, the Bank shall conduct site visits in Mumbai metropolitan to verify the executed and/or ongoing projects cited by the technically qualified bidders in support of their past experience. Based on the satisfactory assessment and recommendations of the Site Visit Committee, the technically qualified bidders shall be shortlisted for financial evaluation.
The Price Bids of only those bidders who are found technically qualified and receive a satisfactory Site Visit Report from the Committee shall be opened and considered for further evaluation.

18. Prequalification cum Technical Bid

18.1 The Technical Bid – All supporting documents shall be submitted on GeM portal online only; physical copy will not be accepted and should be complete in all respects and contain all information asked for in this document. **It should not contain any price information.** Complete Tender documents signed and stamped uploaded on GeM portal.

The Technical Bid, along with all supporting documents, shall be submitted online through the GeM portal only. Submission of any physical copies will not be accepted. The bid must be complete in all respects, containing all information as specified in this Tender document, and **must not include any price-related information.** The complete Tender document, duly signed and stamped on each page, shall be uploaded on the GeM portal.

- a) Earnest Money Deposit / Bid security of **Rs. 8,00,000/-** (Rupees Eight Lakh only) in the form of a demand draft/Pay order/Bank Guarantee(BG) issued by a Scheduled commercial bank favoring “Union Bank of India”, payable at Mumbai or Bank Guarantee from Scheduled commercial Bank **other than Union Bank of India.**
 - b) Bidders registered with NSIC/Udyog Aadhaar as SME, they are eligible for waiver of EMD. However, SME bidders need to provide valid NSIC/SME Certificate clearly mentioning that they are registered with NSIC under single point registration scheme or Udyog Aadhaar for providing HT/LT Electrical System. In addition, SME bidders have to submit **Annexure- M** in physical form (Hard copy) duly signed before last date and time of submission of bid.
- 18.2 The Bid should be signed by the authorized signatory of the bidder. A power of attorney/Board Resolution to that effect shall be submitted by the bidders and should be submitted along with technical bid.
- 18.3 Photocopies of relevant documents / certificates as proof in support of various information submitted and other claims made by the bidder should also be submitted.
- 18.4 Deviations from Tender Scope and terms & conditions such as assumptions, exclusions, out of scope, etc. if any, is submitted by bidder as part of response through solution document or any other documents, it will not be considered by Bank.
- 18.5 **All Annexures shall be submitted on the bidder's letterhead, duly signed by the authorized signatory and affixed with the official seal/stamp of the firm/company. Failure to comply with this requirement may render the bid liable for rejection.**
- 18.6 Signed & Sealed copy of all the pages of Tender and corrigendum if any, to be submitted along with the technical bid.
- 18.7 The bidder should ensure that all the annexure is submitted as prescribed by the Bank. In case it is not in the prescribed format, it is liable to be rejected.
- 18.8 The Bank reserves the right to resort to retendering- without providing any reason whatsoever. The Bank shall not incur any liability on account of such rejection.

- 18.9 The Bank further reserves the right to reject any or all offers based on its own evaluation of the offers received, or based on stability, capabilities, track records, reputation among users and other similar features of a bidder.
- 18.10 The Bank reserves the right to disqualify the bidder/(s) if bidder/(s) have not completed any work successfully in Union Bank of India in stipulated time period or debarred by other PSUs or as notified by IBA.
- 18.11 The Bank reserves the right to modify any terms, conditions or specifications of tender before date of submission of bids. Bidder must submit bid documents as per the changes/modifications while submitting the bid. Notification of amendments/corrigendum will be made available on the Bank's website (www.unionbankofindia.co.in), Govt. Tender Site and will be binding on all bidders and no separate communication will be issued. In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Bank, at its discretion, may extend the deadline for a reasonable period as decided by the Bank for the submission of bids. No post bid clarification of the bidder shall be entertained.

19. Commercial Offer (Price Bid)

The commercial offer must not contradict the Technical offer in any way and should include the cost of all the items offered. The suggested directive for Commercial offer is as follows:

- 19.1 The **Commercial Bid (Format)** – Part II should be as per **Annexure- N** by way of entering the values in the format provided by L-1 bidder. Price break-up shall be submitted by the L-1 bidder, in the prescribed format within 5-days of opening of Price Bid.) This must contain all prices in Indian rupees (INR).
- 19.2 The bidders are required to quote a comprehensive price for each line item of the price bid that includes all associated costs required for successful completion of that item. The price should be distributed reasonably and proportionately across all line items of the offer. The quoted rates should reflect the actual cost and value of each line item. The price bid/ commercial bid should be based on composite and balanced costing basis. Unbalance loading like quoting Rs.1, Rs.2 or Rs.10.00 is not acceptable. The price breakup against each line item must be materially balanced and commensurate with the actual cost / value of the line item. Unusually low bid or materially unbalanced bid will not be accepted and will be rejected outrightly.
- 19.2 The vendors should not offer any options or any conditional offers to the Bank while giving the price information. The offer should strictly be in conformity with the items as specified by the Bank. Any deviations may lead to disqualification of the bid.
- 19.3 **Buyback value of existing electrical** items shall be as per the list provided in the Commercial/Price Bid format. Bidders are required to quote item-wise rates, inclusive of all applicable taxes, including GST. All items under buyback shall be safely dismantled and removed from the site by the contractor at their own risk, cost, and responsibility. The contractor shall ensure that no damage is caused to the Bank's property during the process. Any damage arising on this account shall be made good by the contractor, and the cost of the same shall be recovered from their dues.)

19.4 **Total Cost of Ownership (TCO):**

The Total Cost of Ownership (TCO) shall comprise the cost of Supply, Installation, Testing, and Commissioning (SITC) of all electrical equipment/items as specified in the Commercial Offer (Price Bid / Volume-II) inclusive of GST. The TCO shall be determined after deducting the quoted buyback value of the old/existing items inclusive of GST, offered by the bidder.

20. **Tender Clarifications**

Queries/ clarifications will not be entertained over the phone. All queries and clarifications must be sought by email to procurement@unionbankofindia.bank.in, with subject “**Tender for Supply, Installation, Testing, Commissioning of existing 1600 KVA Transformer and Main Electrical Panel) at Union Bank of India-1A, Adi Shankaracharya Marg, DIT Powai, Mumbai – 400 072**” as per Annexure-J.

The Bidder is requested to collate and submit queries together to seek clarifications / responses from Bank. The Bidder should ensure that all the queries and clarifications are communicated on or before the date given in the schedule of events of this Tender document. Bidders are requested to visit Bank’s website & GeM portal for clarifications and other communications.

Any modification of the Tender , which may become necessary as a result of the queries, shall be made available by the Bank exclusively through the issue of an Addendum/Corrigendum on Bank’s website www.unionbankofindia.bank.in , GeM portal.

21. **Other Terms and Conditions of Tender**

- 21.1 Responses to this Tender should not be construed as an obligation on the part of Bank to award the contract for any services or combination of services. Failure of the Bank to select a bidder shall not result in any claim whatsoever against the Bank. The Bank reserves the right to reject any or all bids in part or in full, without assigning any reason whatsoever.
- 21.2 By submitting a proposal, the successful bidder agrees to promptly contract with Bank for the work awarded to the successful bidder. Failure on the part of the awarded bidder to execute a valid contract with the Bank will relieve the Bank of any obligation to the bidder, and a different bidder may be selected based on the selection process.
- 21.3 The bidder shall represent and acknowledge to the Bank that it possesses necessary experience, expertise and ability to undertake and fulfill its obligations, involved in the performance of the provisions of this Tender (as per Eligibility Criteria – Annexure-C). If any services, functions or responsibilities not specifically described in this Tender are an inherent, necessary or customary part of the deliverables or services and are required for proper performance or provision of the deliverables or services in accordance with this Tender, they shall be deemed to be included within the scope of the deliverables or services, as if such services, functions or responsibilities were specifically required and described in this Tender and shall be provided by the bidder at no additional cost to the Bank. The bidder also acknowledges that the Bank relies on this statement of fact, therefore neither accepting responsibility for, nor relieving the bidder of responsibility for

the performance of all provisions and terms and conditions of this Tender, the Bank expects the bidder to fulfill all the terms and conditions of this Tender. The modifications which are accepted by the Bank, shall form a part of the final contract.

- 21.4 All terms and conditions, payments schedules, time frame for expected service levels as per this Tender will remain unchanged unless explicitly communicated by the Bank in writing to the bidder. The Bank shall not be responsible for any judgments made by the bidder with respect to any aspect of the Service. The bidder shall at no point be entitled to excuse themselves from any claims by the Bank whatsoever for their deviations in confirming to the terms and conditions, payments schedules, expected service levels etc. as mentioned in this Tender document.
- 21.5 In the event the successful bidder (L-1) refuses to accept the Letter of Intent (LoI)/Work Order, fails to execute the contract within the stipulated period, withdraws its offer, or submits a vague, unworkable, non-implementable, or unjustified price break-up for line items affecting execution of the contract, the Bank reserves the right to cancel the award made to the bidder and award the work to the next eligible bidder (L-2, L-3, and so on) at the discretion of the Bank, subject to the bidder's acceptance of the Bank's terms and conditions.

22. Miscellaneous Tender Requirement

This Tender document may undergo change by either additions or deletions or modifications before the actual award of the contract by the Bank. The Bank also reserves the right to change any terms and conditions including eligibility criteria of the Tender document and its subsequent addendums as it deems necessary at its sole discretion.

- 22.1 **No Commitment to Accept Lowest bid or Any Tender** – The Bank shall be under no obligation to accept the lowest price bid or any other offer received in response to this Tender notice and shall be entitled to reject any or all offers including those received late or incomplete offers without assigning any reason whatsoever. The Bank reserves the right to make any changes in the terms and conditions of Tender. The Bank will not be obliged to meet and have discussion with any bidder and / or listed to any representation unless there is change in the terms and conditions of tender. When the Bank makes any such rejection, the Bank will not be bound to give any reason and/or justification in this regard to bidder.
- 22.2 **Erasures or Alterations** – The offers containing erasures or alterations will not be considered. There should be no corrections or alterations in the offer. Technical details must be filled up. Filling up of the information using terms such as “OK”, “accepted”, “noted”, “is not acceptable. The Bank may treat the offers not adhering to these guidelines as unacceptable.
- 22.3 The price payable to the Bidder shall be inclusive of carrying out the work in order to comply with any statutory or regulatory requirements or any industry-wide changes arising during the subsistence of the contract/ agreement, and the Bank shall not pay any additional cost for the same. The Bidder needs to provide with the details about all such items considered in the Tender
- 22.4 Bank will have all rights to reject / select one or more agencies as per the requirements. The Bank does not bind itself to accept the lowest or any Tender and reserves the right to reject any or all the Tender received without assigning any reasons thereof. The decision of Bank shall be final, conclusive and binding on all the parties.

- 22.5 The rates quoted in the commercial offers should comprise of the rates against each item, labour, material, overheads, taxes, duties etc. Any statutory changes in the tax structure/duties after opening of the Tender shall be reimbursed by Bank as per Actual. GST will be paid as per actual.

23. Technical Bid Evaluation

- 23.1 During the period of technical evaluation, bidders may be asked to provide more details and explanations about information provided in the proposals. Bidders should respond to such requests within the time frame indicated in the letter/e-mail seeking explanation, if the bidder does not comply or respond by the date, their bid will be liable to be rejected.
- 23.2 The Technical Proposals of only those bidders shall be evaluated who have satisfied the eligibility criteria. The scoring methodology for technical bid evaluation is explained in eligibility criteria.
- 23.3 The proposal submitted by the bidders will be evaluated as per eligibility criteria mentioned in **Annexure-C.**
- 23.4 The evaluation/selection process will involve assessment of technical competence as detailed below:
- I. A maximum of 100 marks will be allocated for the technical evaluation.
 - II. The bidders scoring less than 80 marks (cut-off score) out of 100 marks in the technical evaluation shall not be considered for further selection process and their bids will be dropped at this stage.
 - III. Once the evaluation of technical proposals is completed, the bidders who scored more than the prescribed cut-off score will only be short-listed for opening of Indicative commercial bid.
- 23.5 The Bank shall follow all the guidelines/notifications for public procurement.

24. Award of contract

Upon completion of the technical evaluation, only the technically qualified bidders shall be considered for opening of the commercial bids. The Bank shall determine the L1 bidder based on the lowest quoted rate, and the contract will be awarded to the bidder quoting the lowest price.

However, the Bank shall be under no obligation to accept the lowest price bid or any other offer received in response to this Tender notice and shall be entitled to reject any or all offers without assigning any reason whatsoever.

However, on award of contract, the work shall be completed in 180 days from the date of acceptance of award of contract or agreement signed whichever is earlier.

25. Price Composition

- 25.1 The price quoted should be inclusive of all charges as per Banks requirement mentioned in the Commercial Bid.
- 25.2 The commercial bid should be quoted in the format attached to this bid as per Annexure-R.

- 25.3 The prices should be firm and not dependent on any variable factors and expressed in Indian Rupees.
- 25.4 If the cost for any line item is indicated as zero/nil/blank then it will be assumed by the Bank that the said item is provided to the Bank without any cost.
- 25.5 Bidder must show the bifurcation/details of GST (CGST/SGST/IGST) in every invoice.

26. Taxes and Duties

The Bidder shall solely be responsible for all payments (including any statutory payments) to its employees and shall ensure that at no time shall its employees, personnel or agents hold themselves out as employees or agents of the Bank, nor seek to be treated as employees of the Bank for any purpose, including claims of entitlement to fringe benefits provided by the Bank, or for any kind of income or benefits. The Bidder alone shall file all applicable tax returns for all its personnel assigned hereunder in a manner consistent with its status as an independent contractor of services; and the Bidder will make all required payments and deposits of taxes in a timely manner. Payment of all taxes i.e. GST (CGST/SGST/IGST) will be made at actual, on production of suitable evidence of payment by the Bidder.

The Bidder shall be liable to pay all applicable corporate taxes and income tax that shall be levied according to the laws and regulations applicable from time to time in India.

27. Rejection of Bid

The Bid is liable to be rejected if:

- 27.1 The document does not bear signature of authorized person in each page and duly stamped.
- 27.2 It is received through Fax/E-mail.
- 27.3 Incomplete Bids, including non-submission or non-furnishing of requisite documents / Conditional Bids / Bids not conforming to the terms and conditions stipulated in this Request for proposal (TENDER) are liable for rejection by the Bank.
- 27.4 It is evasive or contains incorrect information.
- 27.5 Any form of canvassing / lobbying /influence/ query regarding short listing, status etc. will be a disqualification.
- 27.6 Bidder should comply with all the points mentioned in the scope of work, technical specifications and all other clauses of TENDER. Noncompliance of any point will lead to rejection of the bid.
- 27.7 Non-submission of Bid security/EMD.
- 27.8 Bid submitted through courier services will not be accepted.
- 27.9 The bidders are required to quote a comprehensive price for each line item of the price bid that includes all associated costs required for successful completion of that item. The price should be distributed reasonably and proportionately across all line items of the offer. The quoted rates should reflect the actual cost and value of each line item. The price bid/ commercial bid should be based on composite and balanced costing basis. Unbalance loading like quoting Rs.1, Rs.2 or Rs.10.00 is not acceptable. The price breakup against each line item must be materially balanced and commensurate with the actual cost / value of the line item. Unusually low bid or

materially unbalanced bid will not be accepted and will be rejected outrightly.

28. Disqualification Conditions

- 28.1 Bidders having adverse record in any of the institutions where he has been serving / served in the past regarding services provided.
- 28.2 Bidders whose contract with Bank or any Department of Central / State Govt or any other Public Sector Undertaking has been terminated before the expiry of the contract period at any point of time during last five (05) years, will be ineligible.
- 28.3 Bidders whose Earnest Money Deposit or Security Deposit have been forfeited by Union Bank of India or any Department of Central / State Govt or any other Public Sector Undertaking, during the last five years, will be ineligible.
- 28.4 If the Proprietor / Partners of the contracting bidder or any Director of the Bidder has been, at any time, convicted by a Court for any offence and sentenced to imprisonment, such bidders will be ineligible.

29. Modification and Withdrawals of Bid

No bid can be modified or withdrawn by the bidder after the closing date and time for submission of bids.

No bid shall be withdrawn in the intervening period between deadline for submission of bids and expiration of period of bid validity of 120 days. In the event of withdrawal of the bid by bidders, the bidder is liable to be suspended from participation in any future Tender of the Bank for 2 years and forfeiture of EMD.

Successful bidder will not be allowed to withdraw the bid.

30. Tender Response

All submissions will become the property of Bank. Recipients shall be deemed to license, and grant all rights to, Bank to reproduce the whole or any portion of their submission for the purpose of evaluation, to disclose the contents of the submission to other Recipients who have registered a submission and to disclose and/or use the contents of the submission as the basis for any resulting Tender process, notwithstanding any copyright or other intellectual property right that may subsist in the submission or Banking documents.

Bid properly documented should be submitted by the Bidder on or before stipulated date & time mentioned in the TENDER.

31. Payment Terms

Following terms of payment shall be applicable.

- No advance payment / mobilization advance will be made.
- 50% of the material cost shall be payable upon successful delivery of materials at site, subject to verification as per BOQ/specifications, and on submission of duly certified Invoice/Bill along with relevant delivery challans.

- 40% of the contract value shall be payable upon successful completion of Testing and Commissioning of all equipment/items as per the BOQ, making the system fully operational, and upon satisfactory handover to the Bank.
- Balance 10% of the Contract Value shall be released either upon completion of the Warranty/Defects Liability Period (DLP) of one (1) year, which shall commence from the date of satisfactory handover of the site, or against submission of a Performance Bank Guarantee (PBG) equivalent to 10% of the total SITC value, valid for the entire Warranty/Defects Liability Period of one (1) year. The payment shall be subject to submission of all handover documents, issuance of the Virtual Completion Certificate, successful training of the Bank's personnel, and submission of the Final Completion Certificate.

(The Interim RA Bill value shall be a minimum of - Rs.50.00 Lakhs for effecting payment).

32. Retention Amount:

The Bank will deduct 8% as Retention amount against every Running Account Bill. Such retention amount deducted will be released in the final bill settlement of bills.

33. Liquidated Damages (LD)

If Successful bidder fails to deliver any or all of the Service(s) or perform the Services within the time period(s) specified in the Tender/Contract / Agreement, Bank shall, without prejudice to its other rights and remedies under and in accordance with the Tender/Contract / Agreement, levy Liquidated Damages (LD) from payments, which are due to the Successful bidder. For calculation of LD:

- 33.1 The overall LD during implementation will be 0.5% per week to the maximum of 10% of the total cost of the project.
- 33.2 Bank can deduct the amount of liquidated damages from any money belonging to the Successful bidder in its hands (which includes BANK's right to claim such amount against Successful bidder's Performance Bank Guarantee) or which may become due to the Successful bidder.
- 33.3 Any such recovery or liquidated damages shall not in any way relieve the Successful bidder from any of its obligations to complete the works / service(s) or from any other obligations and liabilities under the Contract/Agreement.
- 33.4 Bank reserves the right to condone the delay, if it is not attributable to the Successful bidder.
- 33.5 In the event that Liquidated Damages (LD) imposed exceed 10% of the contract value, the Bank reserves the right to consider cancellation of the contract and/or forfeiture of the Performance Bank Guarantee (PBG), at its sole discretion.

34. Authorized Signatory

The selected bidder shall indicate the authorized signatories who can discuss and correspond with the BANK, regarding the obligations under the contract. The selected bidder shall submit at the time of signing the contract a certified copy of the resolution of their board, authenticated by the company secretary, authorizing an official or officials of the bidder to discuss, sign agreements/contracts with the BANK, raise invoice and accept payments and also to correspond. The bidder shall provide proof of signature identification for the above purposes as required by

the BANK.

35. Confidentiality

- 35.1 The bidder must undertake that they shall hold in trust any Information received by them, under the Contract/Agreement, and the strictest of confidence shall be maintained in respect of such Information. The bidder has also to agree:
- a) To maintain and use the Information only for the purposes of the Contract/Agreement and only as permitted by BANK.
 - b) To only make copies as specifically authorized by the prior written consent of the Bank and with the same confidential or proprietary notices as may be printed or displayed on the original.
 - c) To restrict access and disclosure of Information to such of their employees, agents, strictly on a "need to know" basis, to maintain confidentiality of the Information disclosed to them in accordance with this Clause and
 - d) To treat all Information as Confidential Information.
 - e) Failure to observe the above shall be treated as breach of contract on the part of the bidder and the Bank shall be entitled to claim damages and pursue legal remedies. The bidder shall take all appropriate actions with respect to its employees to ensure that the obligations of non-disclosure of confidential information under this agreement are full satisfied. The bidder's obligation with respect to non-disclosure and confidentiality will survive the expiry or termination of this tender /agreement for whatever reason.

36. Indemnity

- 36.1 The bidder (the "Indemnifying Party") to submit the Indemnity Bond as per **Annexure-N** on Rs.500/- non-judicial stamp paper duly notarized to Bank.
- 36.2 The bidder (the "Indemnifying Party") undertakes to indemnify, hold harmless the Bank (the "Indemnified Party") from and against all claims, liabilities, losses, expenses (including reasonable attorneys' fees), fines, penalties, taxes or damages (Collectively "Loss") on account of bodily injury, death or damage to tangible personal property arising in favor of any person, corporation or other entity (including the Indemnified Party) attributable to the Indemnifying Party's negligence or willful default in performance or non-performance under this Agreement.

37. Limitation of Liability:

The liability of the Party (whether in contract, tort, negligence, strict liability in tort, by statute or otherwise) for any claim in any manner related to this tender or the Agreement/contract, including the work, deliverables or Services covered by this tender or the Agreement/contract, shall be the payment of direct damages only which shall in no event exceed the one time total contract value payable under this contract/Agreement. The liability cap given under this Clause shall not be applicable to the indemnification obligations set out in the indemnity clause, intellectual property rights clause any third-party claims and breach of Confidentiality under the confidentiality clause. In no event shall either party be liable for any consequential, incidental, indirect, special or punitive damage, loss or expenses (including but not limited to business interruption, lost business, lost

profits, or lost savings) nor for any third-party claims even if it has been advised of their possible existence.

38. Non-Transferable Offer

This Tender is not transferable. Only the bidder who has submitted the bid will be eligible for participation in the evaluation process.

39. Responsibility for Completeness

Any supplies and services, which might not have been specifically mentioned in this Tender but, are necessary for completeness of the order, shall be provided/made available as per the schedule for smooth and efficient repairs and maintenance of the system under Indian conditions.

The bidder shall be responsible for any discrepancies, errors and omissions in the technical details submitted by him/them, irrespective of whether these have been approved, reviewed or otherwise, accepted by the Bank or not. The Bidder shall take all corrective measures arising out of discrepancies, errors and omissions in drawing and other information as mentioned above within the time schedule and without extra cost to the Bank.

40. Force Majeure

Force Majeure is here in defined as any cause, which is beyond the control of the selected Bidder or the Bank as the case may be which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the Contract, such as:

- 40.1 Natural phenomena, including but not limited to floods, droughts, earthquakes, epidemics,
- 40.2 Acts of any Government, including but not limited to war, declared or undeclared, priorities, quarantines, embargoes,
- 40.3 Terrorist attacks, public unrest in work area;

Provided either party shall within ten (10) days from the occurrence of such a cause notify the other in writing of such causes. The Bidder or the Bank shall not be liable for delay in performing his/her obligations resulting from any Force Majeure cause as referred to and/or defined above.

41. Exit Clause

The Bank reserves the right to cancel the contract in the event of happening one or more of the following conditions:

- 41.1 Failure of the successful bidder to accept the contract, Sign Agreement with Bank and furnish the Performance Security Deposit within 15 days from receipt of work order.
- 41.2 Serious discrepancy in functionality provided as per the tender document which have an impact on the functioning of the infrastructure deployed, in addition to the cancellation of contract, Bank reserves the right to appropriate the damages through encashment of Bid Security /Performance

Guarantee given by the Bidder.

42. Termination of Contract

The Bank will be entitled to terminate this Contract, without any cost to the Bank and recover expenditure incurred by Bank, on the happening of any one or more of the following:

- 42.1 The selected bidder commits a breach of any of the terms and conditions of the tender document.
- 42.2 The Successful bidder goes into liquidation voluntarily or otherwise.
- 42.3 An attachment is levied or continues to be levied for a period of 7 days upon effects of the Agreement.
- 42.4 The progress regarding the execution of the order accepted by the selected bidder is found to be unsatisfactory or there is delay in execution of the contract, the Bank reserves the right to get the balance contract executed by another party of its choice by giving 1 months notice for the same to the bidder. In this event, the selected bidder is bound to make good the additional expenditure, which Bank may have to incur in executing the balance contract. This clause is applicable, if for any reason, the contract is cancelled.
- 42.5 non-satisfactory performance of the selected bidder during the contract period.
- 42.6 An act of omission by the Bidder, its employees, its agents, or employees of the consortium in the performance of the services provided by this contract.
- 42.7 Failure to implement the work by the selected bidder as per the requirements of the Bank as stated in this TENDER.
- 42.8 Material discrepancies in the Deliverables and Services noted in the implementation/maintenance of the work by the selected bidder.
- 42.9 Selected bidder is found in the opinion of the Bank to be indulging in frauds.
- 42.10 The bank suffers a reputation loss on account of any activity of successful bidder, or a penalty is levied by any regulatory authority on the Bank or on the bidder due to the actions of the bidder.
- 42.11 In the event of subcontract or assignment contrary to the terms of agreement.

Bank shall serve the cure-cum-termination notice to the bidder at least 30 days prior of its intention to terminate services. If the performance is not cured to the satisfaction of Bank within 30 days, termination will be affected.

If the termination is on account of failure of the successful bidder to perform the obligations under this tender contract, the Bank shall have the right to invoke the Performance security Deposit/performance Bank Guarantee(s) given by the selected bidder.

43. Termination for Insolvency

The Bank may at any time terminate the Contract by giving written notice to the selected Bidder, if the selected bidder becomes bankrupt or otherwise insolvent. In this event termination will be

without compensation to the selected bidder, provided that such termination will not prejudice or affect any right of action or remedy, which has occurred or will accrue thereafter to the Bank.

44. Governing Law and Disputes

44.1 All disputes or differences whatsoever arising between the parties out of or in connection with this tender or the contract or in discharge of any obligation arising out of this tender or the Contract (whether during the progress of work or after completion of such work and whether before or after the termination of the contract, abandonment or breach of the contract), shall be settled amicably. However, if the parties are not able to resolve them amicably, party may (Union Bank or the selected bidder), give written notice to other party clearly setting out there in the specific dispute(s) and/or difference(s) and the same shall be referred to a sole arbitrator mutually agreed upon, and the award made in pursuance thereof shall be binding on the parties. The arbitration shall be settled in accordance with the applicable Indian Laws and the Indian Arbitration and Conciliation Act, 1996 or any Statutory modification thereof. However, the Arbitration Clause is applicable to disputed claim amount of less than Rs. 10 Crore only. Any appeal will be subject to the exclusive jurisdiction of courts at Mumbai.

44.2 The selected bidder shall continue working under the contract during the arbitration proceedings unless otherwise directed by the Bank or unless the matter is such that the work cannot possibly be continued until the decision of the arbitrator is obtained.

The venue of the arbitration shall be Mumbai only and the language of arbitration shall be English only.

45. Selected Bidders Obligation

45.1 The vendor is responsible for managing the activities of its personnel or the personnel of its subcontractors/franchisees and will be accountable for both.

45.2 The bidder shall be vicariously liable for any acts, deeds or things done by their employees, agents, contractors, subcontractors etc. which is outside the scope of power vested or instructions issued by the Bank. Bidder shall be the principal employer of the employees, agents, contractors, subcontractors etc. engaged by bidder and shall be vicariously liable for all the acts, deeds or things, whether the same is within the scope of power or outside the scope of power, vested under the work order to be issued for this Tender document.

45.3 No right of any employment shall accrue or arise, by virtue of engagement of employees, agents, contractors, subcontractors etc. of the successful bidder, for any assignment under the work order to be issued for this Tender. All remuneration, claims, wages, dues etc. of such employees, agents, contractors, subcontractors etc. of successful bidder shall be paid by successful bidder alone and the Bank shall not have any direct or indirect liability or obligation, to pay any charges, claims or wages of any of successful bidders' employee, agents, contractors, and subcontractors. The bidder shall hold the Bank, its successors, Assignees and Administrators fully indemnified and harmless against loss or liability, claims actions or proceedings, if any, that may arise of whatsoever nature caused to the Bank through the action of its employees, agents, contractors, subcontractors etc. However, the bidder would be given an opportunity to be heard by the Bank

prior to making of a decision in respect of such loss or damage.

- 45.4 The Vendor is responsible for managing the activities of its personnel and will hold itself responsible for any misdemeanors on the part of its personnel.
- 45.5 Information Security Awareness and User responsibilities training will be provided to all its employees working on behalf of the vendor.
- 45.6 The Vendor will treat as confidential all data and information about Union Bank of India, obtained in the process of executing its responsibilities, in strict confidence and will not reveal such information to any other party without prior written approval of Union Bank.

46. Terms & Conditions

- 46.1 Bank reserves the right to accept or reject any or all Bids without assigning any reason thereof and Bank's decision in this regard will be treated as final. Bids may be accepted or rejected in total or any part or items thereof. No contractual obligations whatsoever shall arise from the TENDER process unless and until a formal contract is signed and executed by duly authorized officials of the Bank and the Bidder. However, until a formal contract is prepared and executed, this offers together with Bank's written acceptance & notification of award shall constitute a binding contract with the vendor.
- 46.2 Any Bid not containing enough information, in view of Union Bank of India, to permit a thorough analysis may be rejected.
- 46.3 The Bank shall have the right to reject the bids not submitted in the prescribed format or incomplete in any manner.
- 46.4 Bank is not responsible for non-receipt of bids within the specified date and time due to any reason including holidays.
- 46.5 Bids not conforming to the requirements of the TENDER may not be considered by Union Bank. However, Union Bank reserves the right, at any time, to waive any of the requirements of the Tender, if in the sole discretion of Union Bank, the best interest of Union Bank be served by such waiver.
- 46.6 Union Bank shall have the right to cancel the Tender process at any time prior to award of contract, without thereby incurring any liabilities to the affected Bidder(s). Reasons for cancellation, as determined by Union Bank in its sole discretion include but are not limited to, the following:
 - (i) Services Contemplated are no longer required.
 - (ii) Scope of work was not adequately or clearly defined due to unforeseen circumstance and/or factors and/or new developments.
 - (iii) Proposed prices are unacceptable to the Work.
 - (iv) The Project is not in the best interest of Union Bank of India.
 - (v) Any other reason.

- 46.7 Union Bank reserves the right to verify the validity of bid information and to reject any bid where the contents appear to be incorrect, inaccurate or inappropriate at any time during the process of TENDER or even after award of contract.
- 46.8 During the term of agreement, bidder will not hire or retain, either as an employee or consultant any employee of Bank. During the contract period, Bank will also not hire or retain, either as an employee or consultant, any employee of the bidder.
- 46.9 Vendor should carry out any change request necessitated by the Bank.
- 46.10 Bank may choose to take an undertaking from Vendor employees to maintain the confidentiality of the Bank's information/documents etc. Bank may seek details / confirmation on background verification of Vendor's employees worked/working on Bank's project as may have been undertaken / executed by the Vendor. Vendor should be agreeable for any such undertaking/verification.
- 46.11 In case any information furnished during the bidding process is found to be incorrect, Bank will not only be summarily rejecting the current bid, but the company itself may be debar from any future bidding with the Bank for a period of 3 years. The Bank may share such information with Indian Bankers' Association (IBA), which is the voluntary representative body of all banking institutions in the country, who, in turn, may share the information among its member institutions. This clause would be applicable only if the Bidder fraudulently misrepresents itself to the Bank.

47. Audit

The Bidder shall always whenever required furnish all information, records, data stored in whatsoever form to internal, external, Bank appointed, and statutory/ RBI inspecting auditors, Central Vigilance Authorities and extend full cooperation in carrying out of such inspection. The Bidder will co-operate with the agencies to carry out their supervisory functions and objectives and will furnish all records and other information as may be call for to carry our inspection and/ or other functions. The Bidder is required to facilitate the same at no additional cost and shall provide uninterrupted access to the documents required by the auditors/agencies/authorities/officers. Further the Bidder must ensure rectification of all the irregularities thus pointed out by the auditor agencies/authorities/officers within a given time frame.

The bidder has to ensure compliance of Information Security rules and guidelines according to policy of and as prescribed by any and all regulatory authorities and the Bank and mitigate the risk, if any, within the stipulated time without any additional cost to Bank.

In line of the above, the selected bidder shall ensure that all regulatory, Statutory, Local Administration requirements are adhered to while undertaking deliverable and services over the period of contract without any additional cost to Bank.

Any license violation on the part of the vendor shall not put Bank at risk. Bank shall reserve the right to audit the license usage of the vendor or shall ask the vendor to take undertaking of non-violation of license.

48. Pre-bid Meeting

For the purpose of clarifications of doubts of the bidders on issues related to the Tender Bank will hold a pre-bid meeting on the date & time as indicated in the Tender. It may be noted that no query of any bidder shall be entertained / received after the mentioned date. Queries raised by the prospective bidders and the Bank's response will be available at Bank's web site. Only authorized representative of bidder (maximum two) will be allowed to attend the Pre-bid meeting. Interested bidders are required to submit a letter from authorized signatory of the organization to the emails mentioned in this Tender one day before the date of pre-bid meeting along with details including name, organization, designation, Mobile number, etc. with subject as "Tender for Supply, Installation, Testing, Commissioning of HT/LT Electrical System at Union Bank of India, Technology Centre, DIT building, Adishankaracharya Marg, Powai, Mumbai – 400 072".

Non- attendance at the Pre-bid Meeting will not be a cause for disqualification of a bidder.

Any modification of the Tender, which may become necessary as a result of the Pre- bid Meeting, shall be made public by the Bank exclusively through the issue of an Addendum/Corrigendum on Bank's website www.unionbankofindia.co.in and GeM portal

The pre-bid meeting will be held physically at the address mentioned in the schedule of events.

49. Conflict of Interest

Bank requires that bidder provide professional, objective, and impartial advice and at all times hold Bank's interest paramount, strictly avoid conflicts with other Assignment(s)/Job(s) or their own corporate interests and act without any expectations/ consideration for award of any future assignment(s) from Bank.

Bidder have an obligation to disclose any situation of actual or potential conflict in assignment/job, activities and relationships that impacts their capacity to serve the best interest of Bank, or that may reasonably be perceived as having this effect. If the Bidder fails to disclose said situations and if Bank comes to know about any such situation at any time, it may lead to the disqualification of the Bidder during bidding process or the termination of its Contract during execution of assignment.

50. Tender Ownership

The Tender and all supporting documentation are the sole property of Union Bank and should NOT be redistributed without prior written consent of Union Bank. Violation of this would be a breach of trust and may, inter-alia causes the bidders to be irrevocably disqualified. The afore mentioned material must be returned to Union Bank of India when submitting the proposal, or upon request; however, bidders can retain one copy for reference.

51. Proposal Ownership

The proposal and all supporting documentation submitted by the bidders shall become the property of Union Bank of India unless the Bank agrees to the bidder's specific requests, in writing, the proposal and documentation to be returned.

52. Tender Cancellation

The Bank reserves the right to cancel the Tender at any time without assigning any reasons whatsoever.

53. Publicity

Any publicity by the Bidder in which the name of the Bank is to be used, will be done only with the explicit written permission of the Bank.

54. Jurisdiction

Notwithstanding anything contained herein above, in case of any dispute, claim and legal action arising out of this Tender, the parties shall be subject to the jurisdiction of courts at Mumbai, Maharashtra State, India only.

55. Submission of Bids

The bidders must submit responses to the Tender through online mode on GeM portal only. All response documents as per requirement of Tender must be submitted along with the pre-qualification cum technical bid. Original DD/BG for EMD must be submitted physically in sealed cover on or before 5-days before scheduled last date and time of bid submission. The bids will be opened at the following address: -

To,
The Asst. General Manager,
Procurement Department, 1st Floor,
Union Bank of India, Union Bank Bhavan,
239, Vidhan Bhavan Marg,
Nariman Point, Mumbai – 400 021

Bank may, at its discretion, extend this deadline for submission of bids by releasing corrigendum to this Tender document.

56. Insurance

The successful bidder will submit workmen compensation policy covering accidents, thefts, fire, or any other incidents covering the cost of work and submit the same to Bank within one month of accepting the work order.

57. SPECIAL INSTRUCTIONS TO THE BIDDER

GENERAL INSTRUCTIONS:

- 1 **Inspection of sites:** The contractor shall visit and examine the site and satisfy as to the nature and correct dimensions of work and facilities for obtaining material and shall obtain generally his own information on all matters affecting the execution of work during the tender process before submission of bids. No extra charge made in consequence of any misunderstanding or incorrect information on any of these points on the ground of insufficient description will be allowed. All expenses incurred by the contractors in connection with obtaining information for submitting this Tender including his visit to site and efforts in compiling the Tender shall be borne by the Tender-Bidder and no claims for reimbursement thereof shall be entertained.

- 2 **Clarification:** Bidders are advised that in case any clarification is required regarding specifications, conditions of contract, schedule of quantities, scope of work, etc., the same shall be sought through email at procurement@unionbankofindia.bank.in, with the subject line: 'Replacement of Existing 1600 KVA Transformer and Main Electrical Panel and Allied Works under Buyback at DIT, Powai, Mumbai', within the schedule specified in the tender in the prescribed format as per annexure.
 No claim whatsoever on account of any ambiguity or lack of clarity in the tender document shall be entertained at a later stage.

- 3 **Care in Submission of Tender** : Before submitting the TENDER, the bidder will be deemed to have satisfied himself by actual inspection of the site, locality of the works, availability of materials, camping of the site, approaches etc. and ensure that all conditions liable to be encountered during execution of the work are taken into account and that, the rates submitted in the Tender are adequate and are inclusive of such conditions.

- 4 **Safety Regulations and Security Rules:** The successful bidder shall take all the necessary precautions while working and to safeguard adjacent property, Bank's property, Bank's employees. The successful bidder shall follow at site all security rules as may be framed by the Bank from time to time regarding movement of materials and equipment to site, issue of identity cards, control of entry of personnel and all similar matter. The successful bidder and his personnel shall abide by all security measures imposed by the Bank or its duly authorized representative from time to time. The successful bidder shall necessarily follow following safety regulations:
 - First-Aid kits or boxes and stretchers should always be readily available with bidders appointed personnel.
 - For all work that cannot be done from the ground level or from part of any permanent structures or from other available means of support. Soundly constructed scaffoldings of adequate strength shall be used as a safe means of access to place of work.
 - Nobody should be allowed to work at elevated places without wearing safety belts. As an additional precaution, safety nets made of coir rope or nylon or any other suitable material should be hung at suitable elevation to prevent people and equipment falling below.
 - Dropping or throwing materials from roof structures or other elevated positions is prohibited.

- Utmost care shall be taken by the contractor throughout the contract period to prevent accidents.
- While carrying out the work of pest control and using pesticides do's and don'ts should be explained to the people at that place.

In spite of above safe methods, in case of any unfortunate accident, the contractor shall indemnify the employer against any expenses or claims towards treatment or compensation

- 5 **Compliance to local laws:** The contractor shall conform to the provisions of any Act of the Legislature relating to the work and to the Regulation of By Laws of any authority. He shall also obtain the permission of the Municipality or any other Authorities if required under the existing rules.
- 6 **Vouchers / bills:** Contractor shall furnish bills, invoices, accounts, receipts and other vouchers for all materials brought on site to prove that the material purchased are as per the specification mentioned in the Tender.
- 7 **Distribution of work:** The Bank reserve the right to distribute the work for which TENDER has been called, among more than one parties, if found necessary. No claim in this respect shall be considered, and the contractor agrees to cooperate with other agencies appointed by the bank. The contractor shall also note that several other agencies may also be simultaneously working within and around the work site and structures covered under present contract. The contractor without any hindrance shall fully cooperate with the other agencies working therein. In case of dispute in such co-ordination, the Bank's decision shall be final and binding on the contract.
- 8 **Subletting the work:** The contractor shall not directly or indirectly sublet the work to other party without prior written permission from the bank.
- 9 **Third party damage:** The contractor shall be responsible for all injury to persons, animals, building, building structure, any damage to road, streets, footpaths and shall rectify the same from his own expense. During the execution of the contract, the contractor will be fully liable to compensate all concerned for any loss, damage or destruction of structures, plant & machinery, persons, property etc. including third party risk arising due to causes attributable to the contractor as may be decided by the Bank whose decision in this regard shall be final. No claim shall be entertained by the Bank on this account.
- 10 **Insurance cover:** All the workers of the contractor as well as his sub-contractor, if any, must be properly covered by an Insurance Policy under applicable Labour Codes and Fatal Accidents Act. The contractor at his own expenses arrange to effect and maintain insurance policy in the joint name of the Bank and the contractor against this risk indemnifying the Bank from all the liabilities arising out of such events. Insurance Policy will be retained by the Bank in original until the virtual completion of the work. In case of delay, contractor shall arrange to extend insurance policy till work is completed.

- 11 **Protection of material and work:** All materials/equipment's required for the works shall be supplied by the contractor. The contractor shall be responsible for storing and watching his own material and protecting the work at his own cost. The contractor and his worker will be allowed to use lift. However, no materials/chemicals causing health issue will be allowed to be taken into the lift. Any damage / spoiling of lift / floor / dado caused during such act will have to be made good by the contractor at his own expenditure.
- 12 **Neat & Clear Site:** After completion of the work, contractor shall leave the premises in neat, clean and tidy conditions as directed by the Bank. All the installations, fittings, fixtures, materials, etc. handed over to the contractor at the commencement of the contract shall be taken over by the Bank after completion of the contract. If the contract is terminated prematurely for any reason whatsoever, the contractor shall peacefully hand over everything back to the Bank and leave the premises in neat, clean and tidy conditions.
- 13 **Conditional Tenders:** Conditional Tenders are liable for rejection summarily.
- 14 **The acceptance of the Tender will rest with the Bank, which does not bind itself to accept the lowest or any of the Tenders and reserves itself the authority to reject any or all of the Tenders received / cancel the Tender process at any stage without assigning any reason thereof. All Tenders in which any of the prescribed conditions are not fulfilled or incomplete in any respect are liable to be rejected.**
- 15 All work shall be carried out in a workman-like manner to the entire satisfaction of the Bank. All the workers shall wear proper uniform whenever in premises and on the work.
- 16 Contractor shall follow all rules / regulations in force and should possess the license for employing labour and also follow all safety measures, labour by laws and shall be responsible for any lapse. The contractor shall comply with the provision of Labour Codes and all other labour laws applicable to him in relation to minimum wages, provident fund, gratuity, compensation etc. for personals deployed by the bidder for execution of work mentioned in the TENDER .
- 17 **Nuisance:** The contractor shall not any time do cause or permit anyone to do or cause any nuisance on the site or do anything which shall cause unnecessary disturbance or inconvenience to the Bank Employees or to the owners, tenants or occupiers of other properties near the site and to the public generally.
- 18 **INTELLECTUAL PROPERTY RIGHTS**
 1. All rights pertaining to any intellectual property generated / created / invented in the due course of the project, shall vest with the Bank.
 2. In this sub-clause, "infringement" means an infringement (or allegation of infringement) of any patent, registered design, copyright, trademark, trade name, trade secret or other intellectual or industrial property right relating to the consultancy NIT process or Contract and "claim" means a claim (or proceedings pursuing the claim) alleging an infringement. The bidder shall indemnify at its own cost and expenses and hold the Bank harmless against and from any other claim which arises out of or in relation to the design, layout, drawings, details provided in the project report etc. or any other infringement.

3. All the designs, drawings, documents and software prepared by the bidder for the project shall be the Bank's property and the Bank shall have the exclusive Intellectual Property Rights of such designs, drawings, documents and software. Bidder Firm shall not use or allow anyone to use these drawings, designs, documents and software without the prior permission of the Bank and such unauthorized usage shall constitute violation of Intellectual Property Rights.

**58. Annexure- A: Letter of Acceptance
(Letter to the bank on the bidder's letterhead)**

To

Union Bank of India,
Union Bank Bhavan,
Procurement Department,
1st Floor, 239, Vidhan Bhavan Marg,
Nariman Point,
Mumbai – 400 021.

Dear Sir,

Sub: Tender for Supply, Installation, Testing, Commissioning of HT/LT Electrical System at Union Bank of India, -1A, Adi Shankaracharya Marg, DIT Powai, Mumbai – 400 072.

With reference to the above subject, having examined and understood the instructions, terms and conditions forming part of it, we hereby enclose our offer for the desired solution as detailed in your above-mentioned Tender.

We further confirm that the offer is in conformity with the terms and conditions as mentioned in the Tender and all required information as mentioned is enclosed.

We also confirm that the offer shall remain valid for 120 days from the date of the offer.

We understand that the Bank is not bound to accept the offer either in part or in full and that the Bank has right to reject the Tender in full or in part without assigning any reasons whatsoever.

We understand that

- a. You are not bound to accept the lowest or any bid received by you, and you may reject all or any bid.
- b. If our Bid for the above job is accepted, we undertake to enter and execute at our cost, when called upon by the purchaser to do so, a contract in the prescribed form. Unless and until a formal contract is prepared and executed, this bid together with your written acceptance thereof shall constitute a binding contract between us.
- c. If our bid is accepted, we are to be responsible for the due performance of the contract.
- d. You may accept or entrust the entire work to one Bidder or divide the work to more than one Bidder without assigning any reason or giving any explanation whatsoever.

- e. Bidder means the bidder who is decided and declared so after examination of commercial bids.
- f. We enclose Demand Draft/Bank Guarantee for Rs. 3,75,000/- (Rupees Three Lacs Seventy-five thousand only) favoring Union Bank of India and payable at Mumbai, towards bid security/EMD, details of the same is as under:

No. :
Date :
Name of Issuing Bank :

Or

SME/Udyog Aadhaar Certificate No.

We hereby declare that all the information & Statements made in this TENDER are true and accept that any misinterpretation contained in it may lead to our disqualification. We agree to all terms & conditions of the TENDER.

Dated at _____ this _____ day of _____ 2024

We hereby declare that all the information & Statements made in this TENDER are true and accept that any misinterpretation contained in it may lead to our disqualification. We agree to all terms & conditions of the TENDER.

Yours faithfully,

Date:

For _____

Signature _____

Name _____

Authorized Signatories
(Name & Designation, seal of the firm)

59. Annexure -B: Bidder's Profile Format

Serial No.	Parameters	Response	
1	Name of the Firm/Company		
2	Year of Incorporation in India		
3	Names of the Partners/Directors		
4	Name and Address of the Principal Banker		
5	Addresses of Firm/Company		
	a) Head Office		
	b) Local Office in Mumbai Metropolitan		
6	Authorized Contact person		
	a) Name and Designation		
	b) Telephone number/Mobile No.		
	c) E-mail ID		
7	Financial parameters		
	Business Results (last four financial years)	Annual Turnover	EBITDA
	2025-26		
	2024-25		
	2023-24		
	2022-23		
	(Only company figures need to be mentioned. Not to include group/subsidiary Company figures)	(Mention the above amount in INR only)	

N.B. Enclose copies of Audited Balance Sheet, P/L Statement endorsed by CA with UDIN along with enclosures.

Dated this..... Day of 2026

(Signature)

(In the capacity of)

Duly authorized to sign bid with seal for & on behalf of (Name & Address of the Bidder)

60. Annexure – C: Eligibility Criteria

Bidders meeting the following criteria are eligible to submit their Bids along with supporting documents. If the Bid is not accompanied by all the required documents supporting eligibility criteria, the same would be rejected.

Sr. No	Eligibility Criteria	Documents to be submitted	Max Marks	Bidders Confirmation (Yes / No)
1	The bidder must be a Firm/ Proprietary/Partnership/LLP/Limited Company registered under Companies Act with an experience of minimum 7 years' experience (as on 30.09.2026) of having rendered satisfactory services in Supply, Installation, Testing, Commissioning of HT/LT Electrical System Work in Govt./Public Sector Undertaking /Private corporate houses /Staff Training Centers of PSB/PVT Corporate/Govt Organization etc. (Submit: Copies of Relevant Registration and Experience certificate from clients of completing - SITC of HT/LT Electrical works executed during the last five (07) years or more-)	-In case of Proprietorship firms, Copy of Shop Act License /Registration and the GST Registration certificate. -In case of Partnership/ Limited Company firms, Copy of the firm registration Certificate, partnership deed, articles of association, etc., as applicable, and GST Registration. -In case of LLP/ company, Copy of Certificate of Incorporation issued by Registrar of Companies and full address of the registered office plus GST registration certificates.	05	
2	The Bidder should have experience of having successfully completed supply, installation, testing, and commissioning of HT/LT Electrical system during last 7 years ending last day of 30.09.2026.	Work order copies / Performance certificate from the principal Employers/ Clients is to be submitted.	05	
3	The contractor should have Registered /Corporate/Branch office within the Mumbai Metropolitan Region (MMR)	Address Proof should be submitted. (Shop & Establishment Registration Certificate issued by the competent authority)	05	
4	The firm must be in operating profit in 3 financial years from 2023 -24; 2024-25; 2025-26. -	(i) Copies of the audited P&L Account and Balance Sheet duly certified by the Chartered Accountant with UDIN.	10	

		(ii) Audited financial statements and a Chartered Accountant's certificate with valid UDIN confirming the same.		
5	Average annual financial turnover during the last three (3) financial years, ending 31 st March 2026 i.e. 2023-24, 2024-25, 2025-26, should be Rs. 80.00 Lakhs from SITC of HT/LT Electrical System Work.	Audited financial statements and a Chartered Accountant's certificate indicating the average annual turnover from SITC of HT/LT electrical system work, duly authenticated with UDIN.	10	
6	Experience of having successfully completed similar work (as per detailed in) during last 05 years ending last day of 31.05.2026 as under: (i) Three similar works costing not less than the amount equal to Rs. 1.10 Cr. OR (ii) Two similar works costing not less than the amount Rs. 1.38 Cr. OR (iii) One similar work costing not less than the amount Rs. 2.20 Cr.	Copy of work order and work completion certificates issued by the principal Employers/Clients specifying following information relating to the works carried out during the last 5 years ending last day of 30-09-2026 1. Scope of work. 2. Contract value. 3. Work completion certificate.	30	
7	Out of the works specified under Sr. No. 6 above, the bidder should have successfully executed and completed at least one work within the Mumbai Metropolitan Region (MMR), preferably for Government Departments, Public Sector Undertakings (PSUs), Public Sector Banks (PSBs), Corporate Offices, or other reputed organizations.	Bidder submit as proof of experience within the Mumbai Metropolitan Region (MMR), shall furnish the relevant work order(s) along with satisfactory work completion certificate(s) issued by the client for the executed work(s).	10	
7	The applicant should have a solvency of Rs. 80.00 Lakhs or more amounts certified by a Scheduled/Commercial bank.	Copy of the Solvency Certificate should be attached.	05	

	<i>The Solvency Certificate should be latest and should not have been obtained before 30-09-2026</i>			
8	Bidders should have applicable and valid registrations with: 1. Income Tax (PAN) No, 2. Goods & Service Tax (GST) No, 3. Electrical Contractor License	Certified copies of supporting documents to be attached. Please note that all the relevant certificates should be valid as on date of opening of Tender.	05	
9	Bidder should not have been disqualified / debarred / blacklisted from any Governments, Semi-governments, PSUs, Banks, Financial Institutions etc.	Suitable declaration as to be submitted on the Letter Head of the Firm duly signed by the Authorized Signatory only.	05	
10	The agency must have HT/LT Electrical System project execution team with a) more than one engineer and more than five skilled technicians. - 05 marks b) One Engineer and 5 technicians – 03 marks on payroll as on 30.09.2026.	Credentials with resume, qualifying certificate and work experience certificate should be attached. The bidder shall submit proof of payroll records, such as salary slips, EPF/ESIC contribution details, wage registers, or other relevant documents, demonstrating that the deployed manpower is on its payroll.	05	
11	Bidders whose Earnest Money Deposit or Security Deposit have been forfeited by Union Bank of India or any Department of Central / State Govt or any other Public Sector Undertaking, during the last five years”.	Submit declaration in the letter head	05	
12	The Integrity Pact (IP) is a mandatory document. In case a bidder fails to submit the duly executed Integrity Pact. The bid shall be summarily rejected, and the bidder shall not be considered for Technical Evaluation.	The Bidder shall upload scanned copy/proofs of the duly signed Integrity Pact (IP) (executed on non-judicial stamp paper of ₹ 500) and Earnest Money (EMD) in the form of Demand Draft (DD) or Bank Guarantee (BG) along with the online bid. Further, the bidder shall ensure delivery of the hard copies of the Integrity Pact (IP) and EMD documents to the Bank within five (5) days from the Bid End Date/Bid Opening Date. Failure to comply Integrity Pact and submission of EMD(applicable) may render the bid liable for rejection and shall not be considered for Technical Evaluation.		

13	Site Visit Report – Visit to the mentioned site as per Para (6) for satisfactory completion of work. The pre-qualified bidder has to arrange the site visit as per notice given by Procurement Department for the executed site for similar work. The work preferable executed in MMR (Mumbai Metropolitan Region). The site will be executed project site. Experience of having successfully completed similar work (as per detailed in) during last 05 years ending last day of 30.09.2026	Technically qualified bidders. Site visit by our Bank's Official. If found the satisfactory site visit report. Only that bidders Price-Bid/Commercial will be opened.
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Similar Works means supply, installation, testing, commissioning of HT/LT Electrical system including all types of Substations, Transformers, VCB, HT/LT Panels, Cables, Wiring, lighting, point wiring, - etc. The bidders must score minimum 80 marks out of 100 marks in the eligibility criteria to pre-qualify.

Bank reserves the right to verify the proof of having experience and expertise of the bidder in executing similar works and the bidder must produce the proof thereof.

Note: Vendor must comply with the above-mentioned criteria. Photocopies of relevant documents/certificates should be submitted as proof in support of the claims made for each of the above-mentioned criteria. The Bank reserves the right to verify/evaluate the claims made by the vendor independently. Any misrepresentation will entail rejection of the offer.

The participating bidders are required to submit unambiguous documentary evidences, in support of their meeting the above eligibility criteria.

Bank reserves the right to verify/evaluate the claims made by the bidder independently. Any decision of the Bank in this regard shall be final, conclusive and binding upon the bidder. The Bank may accept or reject an offer without assigning any reason whatsoever.

Place:

Date:

Authorized Signatory:

Name & Designation:

Business Address & email id:

61. Annexure -D: Bid Security Declaration

To

Union Bank of India,
Union Bank Bhavan,
Support Services Department,
7th Floor, 239, Vidhan Bhavan Marg,
Nariman Point,
Mumbai – 400 021.

Dear Sir,

Sub: Tender for Supply, Installation, Testing, Commissioning of HT/LT Electrical System at Union Bank of India, -1A, Adi Shankaracharya Marg, DIT Powai, Mumbai – 400 072.

We _____ (bidder name), hereby undertake that we are liable to be suspended from participation in any future Tenders/TENDER of the Bank for 2 years from the date of submission of Bid in case of any of the following:

1. If the bid submitted by us is withdrawn/modified during the period of bid validity.
2. If any statement or any form enclosed by us as part of this Bid turns out to be false / incorrect at any time during the period of prior to signing of Contract.
3. In case of we are becoming successful bidder and if:
 - a) we fail to execute Contract within the stipulated time.
 - b) we fail to furnish Performance Bank Guarantee within the timelines stipulated in this Tender document.

Yours faithfully,

Date:

For _____

Signature _____

Name _____

Authorized Signatories
(Name & Designation, seal of the firm)

62. Annexure – E: Declaration for Compliance

All Terms and Conditions including scope of work and technical specifications

We hereby undertake and agree to abide by all the terms and conditions, technical specifications stipulated by the Bank in this Tender including all addendum, corrigendum etc. (Any deviation may result in disqualification of bids).

Signature:

Name

Date

Seal of company:

63. Annexure – F: Undertaking by Bidder

Place:

Date:

To:

Union Bank of India,
Union Bank Bhavan,
Support Services Department,
7th Floor, 239, Vidhan Bhavan Marg,
Nariman Point,
Mumbai – 400 021.

Undertaking (To be submitted by all Bidders on their letter head)

We _____ (bidder name), hereby undertake that-

- As on date of submission of Tender, we are not blacklisted by the Central Government / any of the State Governments / PSUs in India or any Financial Institution in India.
- We also undertake that; we are not involved in any legal case that may affect the solvency / existence of our firm or in any other way that may affect capability to provide / continue the services to bank.

Yours faithfully,

Authorized Signatories

(Name, Designation and Seal of the Company)

Classification: Public

64. Annexure- G: Reference Site Details

The reference sites submitted must be necessarily of those Banks/Companies where the proposed vendor has been awarded the contract prior to Issuance of this Tender and completed the same.

Please provide reference details in the format defined below:

Particulars	Response
Name of the Institution	
Address of the Organization	
Date of commencement of work	
Date of completion of Project	
Scope of Work for Solution	
Name of the contact person for reference	
Contact details of contact person	
Work Details	
a. Place	
b. Duration	
c. Maintenance & support	

(Enclose necessary documentary proof)

*Provide Information in respect of at least 1 major customer each for every required experience who fulfills the eligibility Criteria. References may be enclosed from the customer from the above reference.

Dated this..... Day of 2024

(Signature)

(In the capacity of)

Duly authorized to sign bid with seal for & on behalf of (Name & Address of the Bidder)

Classification: Public

65. Annexure-H: Format for Performance Bank Guarantee
(Covering Delivery obligations)

NOTE:

1. This guarantee should be furnished by a Nationalized Bank/ Scheduled Bank, other than Union Bank of India, as per the following format.
2. This bank guarantee should be furnished on stamp paper value as per Stamp Act. (not less than Rs.200/-).
3. The stamp paper should be purchased either in the Name of the Bank executing the Guarantee or in the name of Union Bank of India.
4. This Bank Guarantee should be furnished within 15 days from the date of issue of Work order.

Union Bank of India,
Union Bank Bhavan,
Support Services Department,
7th Floor, 239, Vidhan Bhavan Marg,
Nariman Point,
Mumbai – 400 021.

Dear Sir,

In consideration of Union Bank of India, a body corporate constituted and functioning under Banking Companies (Acquisition & Transfer of Undertaking) Act 1970, Union Bank Bhavan, Support Services Department, 7th Floor, 239 Vidhan Bhavan Marg, Nariman Point, Mumbai-400 021 placing an order for **Tender for Supply, Installation, Testing, Commissioning of HT/LT Electrical System at Union Bank of India, -1A, Adi Shankaracharya Marg, DIT Powai, Mumbai – 400 072.**

on _____ having registered office at _____ (hereinafter called the vendor) as per the purchase contract entered into by the vendor vide purchase contract no _____ dated _____ (hereinafter called the said contract), we _____ (Name of the Guarantor Bank), a 'schedule bank', issuing this guarantee through its branch at _____ presently located at _____ (hereinafter called the bank), do hereby irrevocably and unconditionally guarantee the due performance of the vendor) for **Tender for Supply, Installation, Testing, Commissioning of HT/LT Electrical System at Union Bank of India, -1A, Adi Shankaracharya Marg, DIT Powai, Mumbai – 400 072.** as per the said contract entered into by the vendor with you.

If the said vendor fails to implement or maintain the system or any part thereof as per the contract and on or before the schedule dates mentioned therein, we _____ (Name of the Guarantor Bank), do hereby unconditionally and irrevocably agree to pay the amounts due and payable under this guarantee without any demur and merely on demand in writing from you during the currency stating that the amount claimed is due by way of failure on the part of the vendor or loss or damage caused to or suffered / or would be caused to or suffered by you by reason of any breach by the said vendor of any of the terms and conditions of the said contract, in part or in full. Any such demand made on us shall be conclusive as regards the amount due and payable under this guarantee.

Classification: Public

We _____ (Name of the Guarantor Bank), further agree that this guarantee shall continue to be valid will you unless you certify that the vendor has fully performed all the terms and conditions of the said contract and accordingly discharge this guarantee, or until _____ , whichever is earlier. Unless a claim or demand is made on us in writing under this guarantee on or before _____, we shall be discharged from all our obligations under this guarantee. If you extend the schedule dates of performance under the said contract, as per the terms of the said contract, the vendor shall get the validity period of this guarantee extended suitably and we agree to extend the guarantee accordingly at the request of the vendor and at our discretion, provided such request is served on the bank on or before _____.

Failure on part of the vendor in this respect shall be treated as a breach committed by the vendor and accordingly the amount under this guarantee shall at once become payable on the date of receipt of demand made by you for payment during the validity of this guarantee or extension of the validity period.

You will have fullest liberty without affecting this guarantee to postpone for any time or from time to time any of your rights or powers against the vendor and either to enforce or forebear to enforce any or all of the terms and conditions of the said contract. We shall not be released from our liability under this guarantee by the exercise of your liberty with reference to matters aforesaid or by reason of any time being given to the vendor or any other forbearance act or omission on your part or any indulgence by you to the vendor or by any variation or modification of the said contract or any other act, matter or thing whatsoever which under the law relating to sureties would but for the provisions hereof have the effect of so releasing us from our liability hereunder.

In order to give full effect to the guarantee herein contained you shall be entitled to act as if we are your principal debtors in respect of all your claims against the vendor hereby guaranteed by us as aforesaid and we hereby expressly waive all our rights of surety ship and other rights if any which are in any way inconsistent with the above or any other provision of this guarantee.

The words the vendor, the beneficiary of this guarantees i.e. Yourself, and we i.e. _____ (Name of the Guarantor Bank), unless repugnant to the context or otherwise shall include their assigns, successors, agents, legal representatives. This guarantee shall not be affected by any change in the constitution of any of these parties and will ensure for and be available to and enforceable by any absorbing or amalgamating or reconstituted company or concern, in the event of your undergoing any such absorption, amalgamation or reconstitution.

This guarantee shall not be revocable during its currency except with your prior consent in writing. This guarantee is non-assignable and non-transferrable.

Notwithstanding anything contained above:

- I) Our liability under this bank guarantee shall not exceed 5% of the TCO.
- II) This bank guarantee shall be valid up to _____.

Classification: Public

- III) We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only if you serve upon us a written claim or demand (and which should be received by us), on or before _____ 12:00 hours (Indian standard time) where after it ceases to be in effect in all respects whether or not the original bank guarantee is returned to us.

This guaranteed deed must be returned to us upon expiration of the period of guarantee.

Signature

Name

(In Block letters)

Designation

(Staff Code No.)

Official address:

(Bank's Common Seal)

Attorney as per power of Attorney No.

Date:

WITNESS:

1..... (Signature with Name, Designation & Address)

2..... (Signature with Name, Designation & Address)

66. Annexure- I: Bid Query Format

Bidders must provide their queries on eligibility criteria, scope of work, terms & conditions etc. in excel format as mentioned below. Bidders are requested to categorize their queries under appropriate headings. Bidders are requested to provide a reference of the page number, state the clarification point and the queries/suggestion/deviation that they propose as shown below (all the queries will be entertained in this Microsoft Excel format by e-mail):

Queries will not be accepted in any other format other than Microsoft Excel.

Sl. No.	Clause no.	Page no.	Clause	Query	Bank Response

Place:

Date:

Signature:

Name & Designation:

Business Address:

Classification: Public

67. Annexure – J: Bank Guarantee for EMD

Date:

To

Union Bank of India,
Union Bank Bhavan,
Support Services Department,
7th Floor, 239, Vidhan Bhavan Marg,
Nariman Point,
Mumbai – 400 021.

Dear Sirs,

M/s _____ having their registered office at _____ (hereinafter called the 'Bidder') wish to respond to the **Tender for Supply, Installation, Testing, Commissioning of HT/LT Electrical System at Union Bank of India, -1 A, Adi Shankaracharya Marg, DIT Powai, Mumbai – 400 072.** and submit the proposal for the same as listed in the Tender document.

Whereas the 'Bidder' has submitted the proposal in response to Tender _____, we, the _____ Bank having our head office _____ hereby irrevocably guarantee an amount of Rs. _____ (Rupees ____ Only) as bid security as required to be submitted by the 'Bidder' as a condition for participation in the said process of Tender _____.

The Bid security for which this guarantee is given is liable to be enforced/ invoked in case the bidder:

1. Withdraws its bid during bid validity period
2. Refuses to honor indicative commercial bid & final bid after Reverse Auction. Union Bank of India reserves the right to place order onto Bidder based on the final price after Reverse Auction quoted by them.
3. Refuses to honor price quoted by them.
4. Refuses to accept purchase order or having accepted the purchase order, fails to carry out his obligations mentioned therein

We undertake to pay immediately on demand, to Union Bank of India, the said amount of Rs.2,46,350/- (Rupees Two Lakhs forty-six thousand three hundred fifty only) without any reservation, protest, demur, or recourse. The said guarantee is liable to be invoked/ enforced on the happening of the contingencies as mentioned above and also in the Tender document and we shall pay the amount on any Demand made by Union Bank of India which shall be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder.

We _____ (Name of the Guarantor Bank), further agree that this guarantee shall continue to be valid will you unless you certify that the vendor has fully performed all the terms & conditions of the said contract and accordingly discharge this guarantee, or until _____, whichever is earlier. Unless a claim or demand is made on us in writing under this guarantee on or before _____, we shall be discharged from all our obligations under this guarantee.

Classification: Public

This guarantee shall not be affected by any change in the constitution of any of these parties and will ensure for and be available to and enforceable by any absorbing or amalgamating or reconstituted company or concern, in the event of your undergoing any such absorption, amalgamation or reconstitution.

Notwithstanding anything contained herein:

- 1) Our liability under this Bank Guarantee shall not exceed _____.
- 2) This Bank Guarantee will be valid upto _____; and a claim period of one month thereafter and
- 3) We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only upon service of a written claim or demand by you on or before _____.

In witness whereof the Bank, through the authorized officer has sets its hand and stamp on this _____ day of _____ at _____.

Signature

Name

(In Block letters)

Designation

(Staff Code No.)

Official address:

(Bank's Common Seal)

Attorney as per power of Attorney No.

Date:

WITNESS:

1..... (Signature with Name, Designation & Address)

2..... (Signature with Name, Designation & Address)

68. Annexure -K: Certificate for EMD Waiver for MSME/NSIC Firms

(on Letter head of Chartered Accountant)

Date:

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. _____, having registered office at _____, Further we certify that the Company is classified under SME as per MSME Act 2006.

We have checked the books of the accounts of the company and certify that the above information is true and correct.

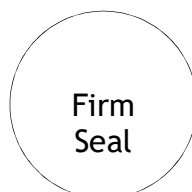
Chartered Accountant Firm Name

Signature

Name

Reg. No

VID No.



Classification: Public

69. Annexure-L: INDEMNITY BOND

(On Non-Judicial Stamp paper of Rs.500/- duly notarized and to be submitted by Successful bidder only)

KNOW all men by these presents that I/We _____ do hereby execute Indemnity Bond in favour of the Union Bank of India on this _____ day of _____ 2021.

WHEREAS **Union Bank of India, a body corporate constituted and functioning under Banking Companies (Acquisition & Transfer of Undertaking) Act 1970 (address of the office) Union Bank Bhavan, 239, Vidhan Bhavan Marg, Nariman Point, Mumbai - 400 021** have appointed M/s. _____ office at _____ as the Contractors for their Proposed Union Bank of India Project at Central Office Mumbai.

THIS DEED WITNESS AS FOLLOWS:

I/We _____ hereby do Indemnify and save harmless Union Bank of India, _____ against

1. Any third party claims, civil or criminal complaints/liabilities, site mishaps and other accidents or disputes and/or damages occurring or arising out of any mishaps at the site due to faulty work, misconduct, misrepresentation, negligence, faulty construction and/or for violating misconduct, misrepresentation, any law, rules and regulations in force, for the time being while executing/executed works by me/us.
2. Any damages, loss or expenses to Bank /third party claim due to or resulting from any negligence or breach of duty on the part of me/us or my sub contractor's if any, servants or agents.
3. Any claim by an employee of mine/ours or of sub-contractors if any, under the Workmen's Compensation Act and Owners Liability Act, 1939 or any other law, rules and regulations in force for the time being and any Acts replacing and/or amending the same or any of the same as may be in force at the time and under any law in respect of injuries to persons or property arising out of and in the course of the execution of the contract work and/or arising out of and in the course of employment of any workman/employee.
4. All claims in respect of patent rights, royalties, damages to buildings, roads or members of public in the course of execution of work, noncompliance of any statutory provision at any point of time and shall keep the Bank saved harmless and indemnified in all respects from such actions, costs, litigations, expenses, fees.

Any act or omission of mine/ours of sub-contractor's if any, our/their servants or agents which may involve any loss, damage, liability, civil or criminal action.

IN WITNESS WHEREOF THE _____ has set his/their hand on this day of _____ -2026.

SIGNED AND DELIVERED BY THE

NAME AND ADDRESS

AFORESAID _____ (Contractor)

IN THE PRESENCE OF WITNESSES:

Classification: Public

70. Annexure-M: AGREEMENT (To be submitted by Successful bidder)

This Agreement is made and entered into at Mumbai on this the _____, 2023 between Union Bank of India, a body corporate constituted under the provisions of Banking Companies Acquisition and transfer of Undertaking Act of 1970 having its Central Office at 239, Vidhan Bhavan Marg, Nariman Point, Mumbai – 400 021, hereinafter referred to as the Bank (which expression shall mean and include its successor and assigns) on the First Part and _____ (Name of the contractor)., a _____ (Constitution of firm) concern through its _____ (Name of the authorized signatory) having their office at _____ (Address of the firm) hereinafter referred to as the Contractor (which expression shall mean and include their respective heirs, successors, executors, administrators and assigns) on the Second part.

Whereas the Bank (First Part) has floated **Tender for Supply, Installation, Testing, Commissioning of HT/LT Electrical System at Union Bank of India, -1A, Adi Shankaracharya Marg, DIT Powai, Mumbai – 400 072.**

And whereas contractor (Second Part) has participated in the TENDER and submitted its proposal on dated _____. The Bank has placed a **Letter of Intent / Work Order** vide letter no. _____ dated _____ for undertaking the aforesaid mentioned work.

And whereas the contractor has agreed to accept the terms and conditions specified in the Tender and also the terms and conditions annexed to these presents.

Now, this Agreement witnesses as follows:

All terms and conditions as prescribed in the Volume– I (Pre-qualification cum eligibility criteria, General terms & conditions and Technical Specifications) and Volume-II (Commercial Bid submitted by the contractor) to this agreement shall have to be adhered to by the contractor. Any deviation must be with the written consent of the Union Bank of India, represented by its Asst. General Manager. Any deviation without the written consent is not at all permitted.

And whereas Tender document published by the Bank vide Ref No. _____ dated _____ duly accepted by the contractor will be integral part of the agreement.

And whereas both the parties are agreeable to enter into these presents for the purpose of providing the services at the above-mentioned address of the Bank by the Contractor on the terms and conditions more specifically mentioned in the Volume -I at and for the price mentioned in the Volume- II hereto annexed.

1. In this Agreement words and expressions not defined but used shall have the same meanings as are respectively assigned to them in the Tender document dated _____ Technical and Commercial Bid and Work Order.
2. The following documents shall be deemed to form and constructed as part of this Agreement as if specifically incorporated herein under: -
 - i. Technical and Commercial Bid of the Contractor dated _____ & _____ respectively annexed as Annexure III.
 - ii. Work Order (Letter of Intent) reference no. _____ dated _____ along with Annexure, annexed as Annexure IV.
 - iii. Agreement

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- iv. Indemnity Bond
- v. Purchase Order/Work order
- vi. Unconditional technical & commercial bid.
- vii. Tender document along with any corrigendum/addendum to the Tender document if any.

All the documents together are called Contract document.

- 3. All terms and conditions as prescribed in Volume-I to this agreement shall have to be adhered to by the contractor.
- 4. The Contractor do hereby agree to indemnify and keep indemnified defend and hold harmless the bank from and against any loss, damages liabilities, claims litigations, suit actions, judgments, and or otherwise including but not limited to those from third parties or liabilities of any kind howsoever suffered arising out of or incurred interalia during the term of this agreement and including but not limited to third party claims from the use of the services or any part thereof and/or otherwise. Further, the said indemnity shall also be available for any of actions arising out of or in connection with the Contractor's breach of any of the terms and conditions of the contract and any act and omissions or negligence or misconduct by the Contractor or its employee's representatives and agent.

In witness whereof the parties hereto have hereunto set and subscribed their respective hands the day and the year first hereinabove mentioned.

Signed and Delivered by Union Bank of India

By its authorized signatory

Name of the Officer:

Designation:

Seal of the bank:

In the presence of

- 1.
(Name, Designation & Signature)

- 2.
(Name, Designation & Signature)

Signed and Delivered by the contractor

Name of the Authorized Signatory:

Designation/Position in the Firm:

Seal of the Firm:

In the presence of

- 1.

- 2.

Classification: Public

ANNEXURE N: Pre-Contract Integrity Pact (To be Stamped as an Agreement on stamp of ₹500 in the state of Maharashtra)

INTEGRITY PACT

Between

Union Bank of India having its registered office at Union Bank Bhavan, 239, Vidhan Bhavan Marg, Nariman Point, Mumbai, India -400 021 hereinafter referred to as “The Principal,” and _____ hereinafter referred to as “The Bidder.”

Preamble

The principal intends to award contracts for, under laid down organizational procedures, The Principal values full compliance with all relevant laws of the land, rules, regulations, economical use of resources, and fairness/ transparency in its relations with its Bidder(s).

To achieve these goals, the principal shall appoint Independent External Monitors (IEMs) who shall monitor the tender process and the execution of the contract for compliance with the abovementioned principles.

Section 1 - Commitments of the Principal

1) The principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -

- a) No employee of the principal, personally or through family members, shall in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- b) The principal shall treat all Bidder(s) with equity and reason during the tender process. The principal shall, in particular, before and during the tender process, provide to all Bidder(s) the same information and shall not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in the tender process or the contract execution.
- c) The principal shall exclude from the process all known persons having conflict of interest.

2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the principal shall inform the Chief Vigilance Officer and in addition shall initiate disciplinary proceedings.

Section 2 - Commitments of the Bidder(s)

1) The Bidder(s) commits themselves to take all measures necessary to prevent corruption. The Bidder(s) commits themselves to observe the following principles during participation in the tender process and the contract execution.

a) The Bidder(s) shall not, directly or through any other person or firm, offer, promise, or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which they are not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or the execution of the contract.

b) The Bidder(s) shall not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal, in violation of the Competition Act, 2002 (as amended from time to time). This applies in particular to prices, specifications, certifications, subsidiary contracts,

submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the tender process.

c) The Bidder(s) shall not commit any offence under the relevant IPC/PC Act; further, the Bidder(s) shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals, and business details, including information contained or transmitted electronically.

d) The Bidder(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the Bidder(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details, as mentioned in the “Guidelines on Indian Agents of Foreign Suppliers,” shall be disclosed by the Bidder(s). Further, as mentioned in the Guidelines, all the payments made to the Indian agent/representative must be in Indian Rupees only. Copy of the “Guidelines on Indian Agents of Foreign Suppliers” is placed on Annex hereto.

e) The Bidder(s) shall, when presenting their bid, disclose any and all payments made, is committed to, or intends to make to agents, brokers, or any other intermediaries in connection with the award of the contract.

f) Bidder(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision.

2)The Bidder(s) shall not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from the tender process and exclusion from future contracts

If the Bidder(s), before award or during execution, has committed a transgression through a violation of Section 2, above or in any other form such as to put their reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s) from the tender process or take action as per laid down procedure to debar the Bidder(s) from participating in the future procurement processes of the Union of India.

Section 4 - Compensation for Damages

1)If the Principal has disqualified the Bidder(s) from the tender process before the award according to Section 3, the principal is entitled to demand and recover the damages equivalent to Bid Security.

2)If the Principal has terminated the contract according to Section 3, or if the principal is entitled to terminate the contract according to Section 3, the principal shall be entitled to demand and recover from OEM liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5 - Previous transgression

1.The Bidder declares that no previous transgressions occurred in the last three years with any other Company in any country conforming to the anti-corruption approach or with any Public Sector Enterprise in India that could justify his exclusion from the tender process.

If the Bidder makes an incorrect statement on this subject, the principal shall act like para of Section 4 above.

Section 6 - Criminal charges against violating Bidder(s)

If the Principal obtains knowledge of the conduct of a Bidder or of an employee or a representative or an allied firm of a Bidder which constitutes corruption, or if the principal has substantive suspicion in this regard, the principal shall inform the same to the Chief Vigilance Officer.

Section 8 - Independent External Monitor

1)The principal shall appoint competent and credible Independent External Monitor(s) for this Pact after approval by the Central Vigilance Commission. The task of the Monitor is to review, independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

2)The Monitor is not subject to instructions by the parties' representatives and performs their functions neutrally and independently. The Monitor would have access to all Contract documents whenever required. It shall be obligatory for them to treat the information and documents of the Bidders as confidential. They report to the Management of the Principal.

3) The Bidder(s) accepts that the Monitor has the right to access without restriction, all Project documentation of the principal, including that provided by OEM. Upon their request and demonstration of a valid interest, the Bidder shall also grant the Monitor unrestricted and unconditional access to their project documentation.

4)The Monitor is under contractual obligation to treat the information and documents of the Bidder(s) with confidentiality. The Monitor has also signed declarations on 'Non-Disclosure of Confidential Information' and 'Absence of Conflict of Interest.' In case of any conflict of interest arising later, the IEM shall inform the Management of the Principal and recuse themselves from that case.

5)The principal shall provide the Monitor with sufficient information about all meetings among the parties related to the Project, provided such meetings could impact the contractual relations between the Principal and the Bidder. The parties offer the Monitor the option to participate in such meetings.

6)As soon as the Monitor notices, or believes to notice, a violation of this agreement, they shall inform the Management of the Principal and request the Management to discontinue or take corrective action or other relevant action. The Monitor can, in this regard, submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action, or tolerate action.

7)The Monitor shall submit a written report to the Management of the Principal, within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.

8)If the Monitor has reported to the Management of the Principal a substantiated suspicion of an offence under the relevant IPC/ PC Act, and the Management of the Principal has not, within the reasonable time, taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

9)The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

This Pact begins when both parties have legally signed it. It expires for the bidder 12 months after the last payment under the contract, and for all other Bidders, 6 months after the contract has been awarded. Any violation of the same would entail disqualifying the bidders and exclusion from future business dealings.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged / determined by the Management of the Principal.

Section 10 - Other provisions

- 1) This agreement is subject to Indian Law. The place of performance and jurisdiction is the place from where the Tender/ Contract is issued.
- 2) Changes, supplements, and termination notices must be submitted in writing. Side agreements have not been made.
- 3) If the bidder is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties shall strive to come to an agreement according to their original intentions.
- 5) Issues like Warranty / Guarantee, etc., shall be outside the purview of IEMs.
- 6) In the event of any contradiction between the Integrity Pact and its Annex, the Clause in the Integrity Pact shall prevail.

—
(For & On behalf of the Principal)

—
(For and on behalf of Bidder)

(Office Seal) (Office Seal)
Place _____ Date _____

Witness 1: _____ Witness 1: _____

(Name & Address) _____

(Name & Address) _____

COMMERCIAL OFFER (PRICE BID) VOLUME-II

Annexure-O

THE PRICE BID FORMAT TOWARDS TENDER FOR REPLACEMENT OF EXISTING 1600KVA TRANSFORMER AND MAIN ELECTRICAL PANEL AND ALLIED WORKS UNDER BUYBACK AT DIT, POWAI, MUMBAI - 400072 IS AS FOLLOWS: -

(Price break-up shall be submitted by the L-1 bidder, in the prescribed format within 5-days of opening of Price Bid.)

(Rejection of Bid: Price information shall not be submitted along with the Technical Bid. If price details are included in the Technical Bid, the offer shall be summarily rejected.

The bidders are required to quote a comprehensive price for each line item of the price bid that includes all associated costs required for successful completion of that item. The price should be distributed reasonably and proportionately across all line items of the offer. The quoted rates should reflect the actual cost and value of each line item. The price bid/ commercial bid should be based on composite and balanced costing basis. Unbalance loading like quoting Rs.1, Rs.2 or Rs.10.00 is not acceptable. The price breakup against each line item must be materially balanced and commensurate with the actual cost / value of the line item. Unusually low bid or materially unbalanced bid will not be accepted and will be rejected outrightly.)

(All electrical equipment shall be supplied and installed strictly as per the makes specified in the Tender Document. The electrical equipment offered under buyback consists of items of different makes and varying model years; therefore, the bidder is required to inspect and verify the same at site prior to submission of the bid.

No additional claim, whatsoever, shall be entertained on this account at any stage. The bidder shall be solely responsible for verifying all details including specifications, quantities, and site conditions before submission of the bid. No claim arising out of ignorance or misunderstanding of these aspects shall be considered at a later stage.)

(All lifting, shifting, loading, and unloading of materials at the respective locations shall be carried out by the contractor at their own cost and responsibility. No additional payment shall be made on this account.)

(All items under buyback shall be safely dismantled and removed from the site

Classification: Public

by the contractor at their own risk, cost, and responsibility. The contractor shall ensure that no damage is caused to the Bank's property during the process. Any damage arising on this account shall be made good by the contractor, and the cost of the same shall be recovered from their dues.)



TENDER FOR REPLACEMENT OF EXISTING 1600KVA TRANSFORMER AND MAIN ELECTRICAL PANEL AND ALLIED WORKS UNDER BUYBACK AT DIT, POWAI, MUMBAI - 400072

COMMERCIAL OFFER (PRICE BID)

(In INR)

COMMERCIAL OFFER FORMAT (PRICE-BID BREAK UP FORMAT):

(Rejection of Bid: Price information shall not be submitted along with the Technical Bid. If price details are included in the Technical Bid, the offer shall be summarily rejected)

Sr. No.	Description	Qty.	Unit	Rate	Total Amount (in ₹)
	Part-I, H.T. SUBSTATION EQUIPMENT				
1.	3-Way Ring Main Unit (2 LBS + 1 VCB): 11 KV / 630 Amps (High Tension)	01	No.		
	Supply, Installation, Testing & Commissioning (SITC) of a 3-Way Ring Main Unit (RMU) comprising 2 Load Break Switches (LBS) and 1 Vacuum Circuit Breaker (VCB), complete with CTs, PTs, Numerical Relays complete as per specifications below:				
	RMU Type: - 3-Way, Non-extensible type				
	Configuration: -				
	2 Nos. Load Break Switches (LBS) for incoming/outgoing feeders				
	1 No. Vacuum Circuit Breaker (VCB) for metering and protection				

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	Metering & Protection: -				
	CTs/PTs: Accuracy class 0.5/1.0 for metering and 5P10/5P20 for protection				
	Relays: Numerical protection relay with overcurrent, earth fault, and provision for differential protection				
	The RMU should be factory tested and all necessary testing to be conducted at site before commissioning. All the test reports to be submitted to Bank for obtaining approval from the CEA/EI Office Govt. of Maharashtra. All test certificates will also to be provided to the Power Supply Agency before charging.				
2	OUTDOOR DUTY 16000 KVA OIL COOLED TRANSFORMER	01	Set		
	Supply, receive, unloading at site and erecting the same in proper position, installation, testing and commissioning of Outdoor Duty Type, Oil Cooled Transformer as per specifications mentioned in the tender document. Inspection & Testing at Manufacturers works & obtaining approval prior to dispatch from Bank is necessary. Before commissioning & charging necessary testing of transformer to be carried out at site as required & as per final directions from Bank. Heat Run test shall be carried out at manufacturers workshop for this transformer followed by immediate HV test. HV test is also to be carried out before charging. The cost to be inclusive of all the tests at manufacturing site & Bank's site.				
	TRANSFORMER Specifications:				
	KVA: 1600				
	Type: Outdoor				
	Reference Standard: IS:2026 or as per latest standard.				
	No of Phases: 3				
	Core: Mitered type CRGO laminated				
	Conductor: Copper				
	Rated Primary Voltage (KV): 11KV				
	Rated primary insulation level (KV): 12KV				
	Rated Frequency: 50 Hz				
	Basic Impulse Level (KV) Peak: 75KV				
	Rated power frequency withstand voltage (kV) (RMS) : 28 kV				

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	Cooling: ONAN				
	Tap Changing: On Load Tap Changing				
	On Load tapings by switch: +10.0% to -15.0%				
	RTCC Panel for Tap Changing with RS-485 output ready. For remote operation of RTCC panel the provision of RS-485 port ready to be given in the RTCC panel.				
	All necessary control & sensing cabling from RTCC panel to OLTC, length upto 50 meters.				
	Secondary voltage at no-load between phases: 433 Volts				
	Secondary voltage at no-load phase to neutral: 250 Volts				
	Power Frequency Test Voltage: 3kV				
	Vector group: Dyn11				
	Rated impedance at 75° C: 6.25%				
	Maximum Ambient Temperature for Operation: 50° C				
	1 No. Winding Temperature indicator with alarm and Trip contacts				
	1 No. Oil Temperature indicator with alarm and Trip contacts.				
	1 No. Buchholz relay with alarm and Trip contacts.				
	1 No. Magnetic Oil Level Gauge with alarm and Trip contacts.				
	1 No. 3000/1 Amps., CT connected in Neutral Winding.				
	Terminal Connections:				
	H.V Side: - Cable End Box suitable for up to 3.0 Core x 300 Sq. mm, 11kV XLPE(E) Aluminum Armoured Cables and suitable for air terminations, with proper Colour coded heat shrink HT sleeves as required.				
	L.V Side: - Cable End Box suitable for up to 3.5 Core x 300 Sq. mm XLPE suitable for carrying current of 3200 Amps in outgoing side approx.07 / 08 runs.				
	The Transformer described shall be wired up to Marshalling Box & RTCC Panel all complete using 2.5 sq.mm. 1100 Volts grade FR copper conductors of approved make only. All complete as per technical specifications and as per final directions and approval of Bank.				
3	HT CABLE and its Termination with Insulation Mats				

	Supply, unload, receive, store at site and laying in an approved manner, testing & commissioning the following size of 11 kV XLPE(E) Cables laid in a Cable Tray/Cable Trench etc. all complete as required and as per final direction and approval of Bank.				
3.1	11 KV, 3.0 Core x 300 sq.mm. XLPE (E) type Aluminium conductor armoured cable as per IS 7098 (Part-2) or latest standards and conductor as per IS 8130 or as per latest standards.	50	Mtrs		
3.2	Supply, unload, receive, store at site, effecting proper connections, testing and commissioning of High-Tension cable joints, specifically Heat Shrinkable cable termination kits for- 11 KV Aluminium conductor XLPE (E) type cable all complete as per IS 13573:2011 or as per latest standards and as per approval of Bank. 1. For Incoming Cable to RMU. 2. For outgoing cable from RMU to Transformer 3. For incoming cable to Transformer from RMU	3	Set		
4	Supply, receive, store at site, erect in Position 1000 mm wide 2000 mm length, 2.5 mm thick rubber matting suitable for 11 kV Grade. These matting shall be laid in front of HT Panel, Metering Cubicle and Transformer HT Incomer, all complete as required and as per final direction and approval of Bank meeting IS 15652:2006.	05	Nos		
5	Supply, receive, store at site, erect in Position 2.0 mm thick, Class A, Electrical Insulating mats, 900 mm wide & 2000 mm length, suitable for 3.3 kV Grade. These matting shall be laid in front of Isolator Panel as directed in Electrical Rooms all complete as required and as per final direction and approval of Bank meeting IS 15652:2006.	01	No		
	TOTAL AMOUNT in ₹. (PART-I):				
Part II - POWER CONTROL CENTRES					
	Design as per technical specifications and obtaining approval of drawings prior to manufacturing, manufacture, insure, pack with PVC sheets, transport to site, unload, store, erect in proper position, testing and commissioning of compartmentalized Panel cubicles. The panels shall be front operated, dead back having Bottom Bus bars & Top Cable				

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	entry, & fabricated using 14 gauge, CRCA sheet steel for main frame, door and partitions, dust and vermin proof lockable doors and carrying the control wiring using approved make FRLS Colour coded Wires of minimum 2.5 sq.mm and using approved make push on terminals. The panel shall be floor mounting type, all complete with interconnections by using electrolytic grade tinned copper Bus Bars of 99.95% purity, colour coded heat shrinkable PVC sleeves. The Panel shall be painted with Powder Coated granular finished painting with 7 tank painting process with shade as per approval from inside and outside all complete as per drawings, technical specifications and final approval of Bank Note: Discrimination study to be submitted for all panels along with offer.				
6	3200Amps Air Circuit Breaker with Enclosure.				
	1 No. of 3200 Amps, Four Pole, Mechanical operated draw out type, Air Circuit Breaker with microprocessor based built in over-current, short circuit and earth fault releases. The Breaker shall be suitable for 415 Volts 50 Hz., AC supply and with 230 Volts AC Shunt Trip Coil & RS-485 connectivity. Icu=Ics=Icw=50 kA for 1sec. (Immediately after 1600 KVA Transformer). 1 No. of RS 485 Module for BMS Connectivity showing all Electrical Parameters with necessary Hardware to be provided. (The Panel shall be outdoor type panel with IP65 Rating).	01	Set		
7	Main Power Control Centre (Proposed): -	01	Set		
	Incomer Section:				
	2 Nos. of 2000 Amps (Raw Power & DG), Four Pole, electrically operated draw out type, Air Circuit Breaker with microprocessor based built in over-current, short circuit and earth fault releases. The Breaker shall be suitable for 415 Volts 50 Hz, AC supply and with 230 Volts AC Shunt Trip Coil & RS-485 connectivity. Both the breakers, i.e. Raw Power & DG Power should be mechanically & electrically interlocked so that when Raw power is available, DG breaker will not operate & vice versa. Raw power failure sensing should be incorporated in the feeder to start the DG sets in auto mode & once raw				

Classification: Public

	power resumes the DG sets will be auto cut off. L.T Breaker should also trip. Icu=Ics=Icw=50 kA for 1sec. 1 No. of RS 485 Module for BMS Connectivity showing all Electrical Parameters with necessary Hardware to be provided for Panel.				
	Metering Section for Incomers:				
	2 Nos, CT Operated Load Manager of approved make. The Load manager should have Ammeter, Voltmeter, KWH, KVAR, Power Factor & Frequency meter & built in RS-485 port ready to hook up with BMS.				
	Indication Section for Incoming Section:				
	6-nos, Phase indicating lamps, LED type				
	4 Nos, One Red and One Green LED type lamps for indicating ACB is in 'ON' or 'OFF' position.				
	2 No, Trip Circuit Healthy White lamp with Push Button.				
	2 No, Blue lamp for Spring Charge indicating of ACB.				
	2 No, Amber lamp for Auto Trip indicating of ACB.				
	Current Transformers for Incoming Section:				
	6 Nos. of 2500/5 Amps Cast Resin Type Current Transformers, having 15 VA burden and Class-1 accuracy for metering purpose.				
	6 Nos. of 2500/5 Amps Cast Resin Type Current Transformers, having 15 VA burden and Class- 5P20 accuracy for protection purpose.				
	Protective System: -				
	2 Nos, Single Phase Reverse Power Relay.				
	2 Nos, Restricted Earth Fault Protection Relay.				
	2 Nos, Master Trip Relay, (Lockout) suitable for 110 Volts DC and Hand Reset type.				
	Bus Bars:-				
	2500 Amps uniformly rated, continuous duty, 415 V AC, 3 Phase and Neutral electrolytic grade 99.95% Purity Tinned Copper Bus-bars having short circuit withstand capacity of 50 kA for 1 sec, with colour coded heat shrink sleeves supported on SMC type grip supports. The Horizontal / Vertical sections of the busbars should all be uniformly rated for 2500 Amps. Outgoings:-				

	2 Nos, of 630 Amps., Four Pole, electrically operated draw out type, Microprocessor based Air Circuit Breaker with built in over-current, short circuit and earth fault releases. The Breaker shall be suitable for 415 Volts 50 Hz, AC supply and with 230 Volts AC Shunt Trip Coil. Icu=Ics=Icw=50 kA for 1sec & with Built in RS-485 port ready to hook up with BMS.(Including all indications and metering as per SLD)				
	3 Nos, of 630 Amps, Four Pole, Microprocessor based Moulded Case Circuit Breaker with built in over-current, short circuit and earth fault releases. The Breaker shall be suitable for 415 Volts 50 Hz., AC supply and with 230 Volts AC Shunt Trip Coil. Icu=Ics=25 kA for 1sec & 2 nos of potential free contacts to be provided for BMS.(Including all indications and metering as per SLD)				
	3 Nos, of 400 Amps, Four Pole, Microprocessor based Moulded Case Circuit Breaker with built in over-current, short circuit and earth fault releases. The Breaker shall be suitable for 415 Volts 50 Hz., AC supply and with 230 Volts AC Shunt Trip Coil. Icu=Ics=25 kA for 1sec & 2 nos of potential free contacts to be provided for BMS.(Including all indications and metering as per SLD)				
	3 Nos, of 250 Amps, Four Pole, Microprocessor based Moulded Case Circuit Breaker with built in over-current, short circuit and earth fault releases. The Breaker shall be suitable for 415 Volts 50 Hz., AC supply and with 230 Volts AC Shunt Trip Coil. Icu=Ics=25 kA for 1sec & 2 nos of potential free contacts to be provided for BMS.(Including all indications and metering as per SLD)				
	The above board shall be enclosed in design with powder-coated paint all complete and as per final direction and final approval of the Bank.				
8	Harmonic Filter Panel	1	Set		
	Design, manufacture, testing, supply, transport to site, unloading, storage, erection, commissioning and integration of Harmonic Filter Panel suitable to limit system Total Harmonic Distortion (THDi) to $\leq 18\%$, complete with detuned passive harmonic filters designed				

Classification: Public

	<p>as per IEEE-519 / IEC-61000 guidelines. The panel shall be front operated, dead-front, floor-mounted type, fabricated using minimum 14-gauge CRCA sheet steel with dust and vermin-proof construction and powder-coated finish with 7-tank pretreatment process.</p> <p>Active Harmonic Filter configuration rating i.e. Panel capacity will be 1 nos x 250 Amps or 2 nos x 150 Amps (as detailed in specifications)</p> <p>The Harmonic Filter system shall consist of heavy-duty, low-loss copper wound reactors (minimum 5.67% detuning factor), capacitor banks with discharge resistors, protective fuses/contactors, thermal protection, and bleed coils. All components shall be suitably rated for 415V, 50Hz power supply with minimum 50kA short circuit withstand capacity. The system shall be capable of continuous operation at 440V over-voltage conditions and shall include provisions for IP-54 enclosure rating.</p> <p>Internal wiring shall be FRLS color-coded copper cables of minimum 2.5 sq.mm with suitable termination ferrules. Busbars shall be of 99.95% purity electrolytic grade tinned copper with heat-shrink identification sleeves. The panel shall include required metering including Voltage, Current, kW, PF, kVA, THDi & THDv display, complete with RS-485 Modbus communication for BMS/SCADA integration.</p> <p>All final drawings, technical documentation, and discrimination/ coordination study shall be submitted for approval prior to manufacturing and final acceptance.</p>				
9	VTPN DB (IP-54 dust / splash proof type)	01	No.		
	<p>Supply, Installation, Testing & Commissioning of 250A, 12-Way VTPN Distribution Board (MCCB Incomer Type) fabricated from CRCA sheet steel (min. 14/16 gauge), Powder coated, IP42/IP54 enclosure wall mounted, Copper busbar rated 250A, with provided cable alley, gland plates & earthing terminals. Incomer: 250A, 4 Pole MCCB with adjustable thermal magnetic release, 25kA fault rating, complete with spreader links & terminal shield.</p> <p>-- 1 No.</p>				
	Outgoing Feeders – 100A TP MCB, 10kA, Type C / D curve -- 4 Nos.				

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	Outgoing Feeders – 63A TP MCB, 10kA, Type C / D curve -- 4 Nos.				
	Outgoing Feeders – 32A TP MCB, 10kA, Type C / D curve -- 4 Nos.				
	Multifunction Digital Load Manager Meter with kWh, PF, Current, Voltage, Frequency, kW, kVA, kVAR indication including required CTs for 3-phase metering (Class 1, suitable ratio 150/5A or 250/5A). -- 1 No.				
	Internal Copper Busbar Set , 3-phase + Neutral, TPN arrangement, insulated shrouded type, suitable for 250A				
	Internal wiring , terminations, crimping lugs, ferrules, PVC sleeves, cable markers, etc.				
	Earthing Strip / Earthing Stud Inside DB , with connectivity to panel structure				
	Part IV - POWER POINTS				
10	3-Phase, 63Amps, Wall mounted outdoor type industrial Socket with MCB	1	No		
11	1-Phase, 32Amps, Wall mounted outdoor type industrial Socket with MCB	1	No		
	TOTAL Amount in ₹ (PART-II):				
	Part III -- CABLES & CABLE TERMINATIONS				
	Supply, handling, laying effective proper connections, testing and commissioning of following sizes of 1.1 kV grade XLPE insulated Aluminium/Copper conductor cables laid over GI supports, GI cable Trays or fixing on walls including clamping the cable to supports in an approved manner, pulling through trenches, hume pipes etc. as required complete with Copper earthing as specified for continuous earthing along with the cable. (Earthing will be measured separately and need not be quoted under this item) all complete as required and as per final direction and approval of the Bank.				
12	3.5 Core x 300 sq.mm, 7 Run x 70 mtr XLPE Insulated Aluminium Conductor Armoured Cable of approved make only (From Transformer to LT Panel)	500	Rmtr		
13	3.5 Core x 10 sq.mm, Copper Conductor Armoured Cable of approved make only (From VTPN DB to Industrial sockets)	100	Rmtr		

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	CABLE TERMINATION				
14	Termination of new 3.5 Core x 300 sq.mm x 7 Run XLPE Insulated Aluminium Conductor Armoured Cable with appropriate size cable glands double compression type and aluminum lugs with all accessories at Transformer LT Side, LT Breaker and Main PCC Panel incomer.				
	Glands suitable for 3.5 core x 300 sq.mm Insulated Aluminium conductor armoured cable	50	Nos		
	Aluminum Lugs - 300 Sq.mm	150	Nos		
	Aluminum Lugs - 150 Sq.mm	50	Nos		
15	Termination of Existing 3.5 core x 240 sq.mm XLPE Insulated Aluminium Conductor Armoured Cable of all outgoing feeders with appropriate size cable glands and aluminum lugs with all accessories.				
	Double compression Glands suitable for 3.5 core x 240 sq.mm Insulated Aluminium conductor armoured cable	10	Nos		
	Aluminum Lugs - 240 Sq.mm	30	Nos		
	Aluminum Lugs - 120 Sq.mm	10	Nos		
	TOTAL AMOUNT in ₹. (PART-III):				
	Part IV -- EARTHING				
16	Supply and installation of copper bonded 51 MM rod, 3 Mtrs long with duly filled with earthing powdered chemical along with 02 nos 25 KG Earthing compound Bag and Wire mesh for funnel, Masonry chamber using good quality Bricks and smooth sand Cement Plaster with Necessary concrete Foundation base, heavy duty MS Plate manhole cover as spelt above with frame. The Pit is to be filled up using alternate layers as per IS:3043 of salt, charcoal for earthing upto the pit level, all complete as required and as per final directions and approval of the Bank.	10	Nos		
	Providing and fixing in position, the following sizes of earthing strips or wires including providing all fixing accessories and effecting proper connections and as per final directions and approval of the Bank.				
17	50 x 6 mm Tinned Copper tapes. - Transformer Neutral Earthing	150	Rmtr.		
18	50 x 6 mm PVC heat shrinked sleeve GI strips. - All Panels Body Earthing	100	Rmtr		

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	TOTAL AMOUNT in ₹. (PART IV):				
Part V -- Civil Works — Transformer Yard (2,000 kVA) — Shed to cover Transformer + 3,200A Isolator/ACB Panel					
1	RCC foundation for transformer: M20 concrete with shuttering, reinforcement, finishing — Pad size 5.00 × 3.00 × 0.60 m	9	Cubic mtr.		
2	MS reinforcement bar for foundation — including cutting, bending & tying	900	Kg		
3	PCC 1:4:8 bedding below foundation (if required)	01	Cubic mtr.		
4	ACB/Isolator panel pedestal / plinth — RCC M20 pedestal 1.20 × 0.80 × 0.40 m (incl. anchoring & finishing)	01	Cubic mtr.		
5	Substation yard hardstand: Gravel / hardstand 80 m ² at 0.15 m depth — supply, lay & compact	12	Cubic mtr.		
6	Compacted sand bedding below gravel	6	Cubic mtr.		
7	MS fabrication shed (structural frame) with GI sheet roofing to cover transformer + ACB panel — area approx. 36.0 m ² (supply, fabrication, anchoring, painting)	36	Cubic mtr.		
8	Side fencing — MS angle posts with chain link mesh, height 2.0 m, perimeter 36.0 m	36	Rmtr.		
9	Cable trench excavation (22.0 m × 0.60 m × 0.80 m) incl. bedding and backfill (supply, excavate & dispose)	10.5	Cubic mtr.		
10	Precast RCC cable trench covers (to suit 600 mm trench width)	22	M		
11	Painting / anticorrosive treatment on exposed steel (shed & posts)	01	Lum Sum		
	TOTAL AMOUNT in ₹. (PART-V):				
	Part VI -- Liasoning Charges	01	Lot		
	<p>Liasoning and obtaining approval of complete installation from Central Electricity Authority (CEA) and Electrical Inspector, PWD Govt. of Maharashtra details as under: - - Preparation of Single Line Diagram, Earthing Layout of the electrical installation under scope of work. Safety clearance for high-voltage transformer installation including submission of application with load details, test reports, OEM certificates, SLD, GA drawings, earthing layout etc.</p> <p>- Liaison with CEA& Electrical Inspector, PWD, govt. of Maharashtra and utility engineers (Adani Electricity) for inspection and approval</p>				

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	during replacing a 1600 KVA transformer and charging the same at site.				
	TOTAL PART-VI:				
	Part VII-- Dismantling, Removal, Lifting & Shifting				
1	Schneider Make ,11KV, HV VCB Panel along with incoming & outgoing cable termination. (One in the HT yard and one in the PCC Room (HT/LT) room)	01	Set		
2	1600 KVA Oil cooled Transformer along with Bus duct, Isolator, HT & LT Cable, Earthing termination.	01	Set		
3	1600A Incomer ACB LT Panel (PDB-4)	01	Set		
4	Hostel Building Panel	01	Set		
	TOTAL AMOUNT in ₹. (PART-VII):				
	GRAND TOTAL AMOUNT in ₹ (PART-I + PART-II + PART-III + PART-IV+ PART-V+ PART-VI + PART-VII):				
	GST@_____:				
A	GRAND TOTAL AMOUNT inclusive GST in ₹ (PART-I + PART-II + PART-III + PART-IV+ PART-V+ PART-VI + PART-VII): (A)				
	Part VIII -- Buy Back for old Equipment's				Buyback Quoted Amt. inclusive of GST in ₹.
1.	Old 1600 KVA, Oil Cooled ,11KV/0.430V Transformer with Bus Duct. Make: Crompton Greeves, Sr.No.MT5145/1. Date of Manufacturing: 08/2004.	01	Nos.		
2.	11 KV INDOOR DUTY VCB PANEL (for 1600 kVA TRANSFORMER) complete with 2 nos. VCBs in HT Room. Make: Schneider, Model: HVX-X, Sr.No.7847532-5, 7792956-1-5, Year of Manufacturing: 2017	01	Nos.		
3.	11 KV INDOOR DUTY VCB-SPARE. Make: Schneider, Model: HVX-X, Sr.No.223906596105PR5, Year of Manufacturing: 2017	01	Nos.		
4.	11 KV INDOOR DUTY VCB PANEL (for 1600 kVA TRANSFORMER) in PCC Room. Make: Schneider, 5/7792956-1-4, Year of Manufacturing: 2017	01	Nos.		
5.	3200 Amp ACB with Enclosure Make: L&T (Spectronics), Year of Manufacturing: 2004	01	Nos.		

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6.	Main LT Panel (PDB-4). Make: Popular Switchgear Pvt. Ltd. Year of Manufacturing: 2004	01	Nos.		
7.	2500-amp ACB, Make: Spectronics	01	Nos.		
8.	Hostel Building Panel. Make: Popular Switchgear Pvt. Ltd. Year of Manufacturing: 2004	01	Nos.		
9.	1600 KVA Transformer Shed with M.S. Angles, Frames & Support of size: 9M (W) x 15M (L) x 3.5 M (H)	01	Lot		
10.	HT Cables: 1) Adani Substation to HT Room VCB - 29 Mtr 2) HT Room VCB to PCC Room VCB - 72 Mtr 3) PCC Room VCB to 1600 KVA Transformer - 22 Mtr	123	Mtr		
11.	1600 KVA Transformer LT side to PCC Panel - 3.5 x 400 Sq.mm x 7 Runs of 17 Mtr each.	119	Mtr		
B	TOTAL BUYBACK Amount inclusive GST in ₹ (PART VIII): (B)				
	Total Cost of Ownership (TCO) inclusive GST: A (Grand total amount inclusive GST/Part-I to Part-VII/SITC of mention works) - B (total buyback amount inclusive GST/Part-VIII): (Total Amount quoted by Bidder in ₹.)				

(Total Amount in Words(TCO inclusive of GST): -----
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